

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## NUDDEA RIVERS.

Statement showing the total amount of Traffic and Tolls on the Bhagirathce River at Nuddea Toll Station for the month of July 1884.

Number of Boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.	
		Weight of cargo.	Value of cargo.	Maunds.	Tons.		
	LOCAL TRAFFIC.	Mds.	Rs.			Rs.	A. P.
3	Paddy ...	475	831	1,100	39	8	4 0
6	Rice ...	2,075	6,225	3,850	137	28	14 0
19	Wheat ...	10,100	20,200	18,900	675	141	12 0
18	Gram ...	8,975	17,950	16,350	583	122	10 0
51	Pulses and other crops	24,475	48,950	47,100	1,682	353	4 0
6	Jaggery ...	775	3,100	1,625	58	16	4 0
4	Sugar ...	575	6,325	1,275	45	12	12 0
243	Salt ...	59,975	1,64,931	1,18,475	4,231	1,184	12 0
3	Oil ...	225	1,800	550	19	5	8 0
8	Tobacco ...	1,225	4,287	2,800	100	28	0 0
10	Brass ...	1,125	45,000	2,700	96	27	0 0
3	Hides ...	275	2,750	650	23	6	8 0
22	Linseed ...	11,475	34,425	22,875	816	171	9 0
2	Mustard seed ...	975	3,900	2,000	71	15	0 0
1	Ghooting lime ...	125	125	375	13	1	14 0
6	Ghooting ...	1,650	412	3,425	122	8	9 0
1	Unwrought timber and piles 51G ...	.....	.....	.....	.....	9	9 0
12	Steamer ...	.....	.....	.....	.....	72	0 0
183	Miscellaneous ...	33,900	2,71,200	66,375	2,370	663	12 0
38	Coal and coke ...	19,200	9,600	37,275	1,331	186	6 0
1	Firewood ...	50	12	150	5	0	12 0
3	Earthware and earthen-pots ...	125	31	350	12	0	7 0
643	Total ...	1,77,775	6,42,054	3,48,200	12,428	3,065	6 0
538	Total of same month last year ...	1,41,175	5,13,867	2,78,575	9,940	2,557	3 6
	MISCELLANEOUS.						
906	Passenger boat ...	.....	.....	.....	.....	354	8 0
448	Empty do. ...	.....	.....	5,07,775	18,134	634	11 6
4	Straw ...	1,500	375	3,000	107	15	0 0
7	Gunny ...	975	9,750	1,975	70	19	12 0
1,365	Total ...	2,475	10,125	5,12,750	18,311	1,023	15 6
695	Total of same month last year ...	2,050	4,412	2,08,725	7,452	425	7 0
2,008	Grand Total ...	1,80,250	6,52,179	8,60,950	30,739	4,089	5 6
1,233	Grand Total of same month last year ...	1,43,225	5,18,279	4,87,300	17,392	2,982	10 6

## MEMORANDUM.

	Rs.	A.	P.
Unrecovered balance on the 1st of the month	.....	.....	.....
Amount of tollage for the month	.....	.....	.....
	4,089	5	6
Amount credited in the accounts for the month	.....	.....	.....
	4,089	5	6
Balance at the end of the month	.....	.....	.....

N.B.—In the statement for July 1883, Gunny, Grass for Cattle and Empty were shown under "Local Traffic," and Steamers, Rafts of timber and bamboos under "Miscellaneous."

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## NUDDEA RIVERS.

Statement showing the total amount of Traffic and Tolls on the Bhagiruthee River at Jungypore Toll Station for the month of July 1884.

Number of Boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
2	Paddy	100	140	250	9	1 14 0
12	Rice	3,530	6,789	8,200	301	61 8 0
71	Wheat	40,418	79,982	71,925	2,637	539 7 0
14	Gram	7,085	10,425	13,775	505	101 7 0
375	Pulses and other crops	2,56,630	5,63,666	4,60,875	16,899	3,456 9 0
53	Fruits and vegetables	11,519	12,789	24,000	880	182 0 0
28	Jaggery	7,366	13,173	16,350	600	163 8 0
7	Salt and khari salt	4,409	4,488	8,025	294	80 4 0
12	Ghee	784	19,768	3,050	112	30 8 0
41	Tobacco	11,132	31,748	23,375	857	233 12 0
6	Brass	112	2,925	575	21	5 12 0
4	Silk	61	1,305	300	11	3 0 0
4	Cotton	576	1,177	1,800	66	18 0 0
3	Jute	281	700	750	28	7 8 0
83	Linseed	51,174	1,90,229	90,925	3,334	681 15 0
2	Castor seed	675	1,500	1,525	56	11 7 0
117	Mustard seed	43,767	1,34,289	82,075	3,009	615 9 0
141	Other oilseeds	1,13,191	3,66,697	1,98,675	7,263	1,485 9 0
3	Stone lime	3,600	2,900	5,400	198	27 0 0
2	Ghooting	250	32	525	19	1 5 0
3	Sand	850	27	1,725	63	2 2 6
3	Floating rafts of unwrought timber and piles 42 (in number)	.....	1,018	.....	.....	11 4 0
61	Roadstone	79,100	9,496	1,28,450	4,710	321 2 0
14	Coal and coke	5,332	2,915	8,625	316	43 2 0
16	Firewood	2,500	293	5,500	202	27 8 0
1,082 & 3 rafts.	Total	6,43,442	14,58,501	11,56,075	42,390	8,113 0 6
1,211 & 5 rafts.	Total of same month last year.	6,52,580	.....	11,85,350	.....	8,889 0 6
500	MISCELLANEOUS. Passenger boat 1793 oars.	.....	.....	.....	.....	445 12 0
230	Empty boat	.....	.....	1,25,700	4,659	157 2 0
.....	Gunny	81	332	175	6	1 12 0
134	Miscellaneous (mixed cargo), &c.	31,504	1,50,442	63,250	2,393	632 8 0
924	Total	31,685	1,50,774	1,91,125	7,008	1,260 2 0
916 & 2 rafts.	Total of same month last year.	44,249	.....	1,89,275	.....	1,431 2 0
2,006 & 3 rafts.	Grand Total	6,75,127	16,09,275	13,47,200	49,398	9,373 2 6
2,127 & 7 rafts.	Grand Total of same month last year.	6,96,829	.....	13,74,625	.....	10,320 2 6

## MEMORANDUM.

	Rs. A. P.
Unrecovered balance on the 1st of the month	.....
Amount of tollage for the month	9,373 2 6
Total	9,373 2 6
Amount credited in the accounts for the month	9,373 2 6
Balance at the end of the month	.....

## ABSTRACT FOR THE MONTH OF JULY 1884.

	TRAFFIC, 1884-85.						TRAFFIC, 1883-84.					
	During the month.			To end of the month.			During the corresponding month.			To end of the corresponding month.		
NUDDA RIVERS.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Jellinghee river ...	5,952	9	0	12,452	13	3	6,698	7	0	14,502	8	0
Matabhanga river ...	10,139	5	0	15,987	8	6	9,817	13	6	14,049	7	0
Bhagirathi river at Nudda												
Toll station	4,089	5	6	6,055	3	0	2,982	10	6	4,427	3	6
Ditto at Jungypore Toll-station.	9,373	2	6	11,517	12	0	10,320	2	6	10,910	1	9
TOTAL ...	29,554	6	0	46,013	4	9	29,819	1	6	43,889	3	6

CALCUTTA,  
The 26th August 1884. }

G. F. E. S. NEILL, Major, M.S.C.,  
Under-Secy. to the Govt. of Bengal.

## TIRHOOT STATE RAILWAY.

Statement showing Increases and Decreases in Maundage of Principal Staples carried over the Line during the month of July 1884, as compared with the corresponding period of 1883.

STAPLES.	1884.		1883.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1884.	1883.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.		
Bamboos and bricks	540	200			1,040		1,040	
Coal	17,051	100	6,961	209	17,751	7,970	10,881	
Cotton	883	3			887		887	
Food-goods	4,191	3	4,030	13	4,193	4,031	162	
Indigo								
Grain-bags	1,136	1,136	2,651	219	2,600	2,600		611
Fruits	13	30			43		43	
Food-grains	1,33,744	2,869	5,707	33,740	1,36,613	45,907	90,616	
Hides and horns	59	3,668	3		8,634	3,308	8,634	5,038
Lac	648	3			654		654	
Lime and kunker	1,634	293	13,379	185	1,837	13,767		11,930
Liquor	239	31			393		393	
Metal—								
I.—Iron	2,296	809	3,610	1,703	3,205	6,302		1,097
II.—Brass, bell-metal, and copperware	402	101			503		503	
Mowah	2,040	301			2,341		2,341	
Oil	1,038				1,038		1,038	
Oil-cake	79	1,359			1,359		1,359	
Paints and colours								
Other		1,238	60	328	1,238	393	845	
Railway materials	84,928	14,916	6,463	4,604	60,853	11,147	69,700	
Salt	26,311	2,430	31,584	1,511	30,741	35,395		22,734
Saltpetre	7,056	1,288	6,421		7,038	7,709		671
Seeds	2,800	27,757	2,332	40,539	30,537	61,766		21,229
Spices	121	47			168		168	
Sugar and jaggery	73	1,470			1,543		1,543	
Tobacco	422	6,236	43	80,289	6,078	80,282		23,604
Timber	1,435	1,447			2,870		2,870	
Firewood		373			373		373	
All other goods	8,003	4,710	20,286	17,298	12,713	87,854		24,541
Total	2,62,068	76,828	1,18,540	1,89,308	3,40,916	2,77,440	1,75,622	1,12,396
Net increase					2,77,840		1,12,396	
					63,067		63,067	

HORACE BELL,  
Manager.

A. POPE,  
Traffic Superintendent.

## GENERAL REMARKS AND EXPLANATIONS.

The total quantity of goods carried during the month of July 1884 aggregated maunds 3,40,916, as compared with maunds 2,77,840 carried during the corresponding period of 1883, and maunds 4,55,373 carried during the previous month, showing an increase of maunds 63,067 in one case and a decrease of maunds 1,14,457 in the other.

Of the several increases and decreases the following are the most prominent ones, and worthy of separate explanation:—

## INCREASES.

Coal	Mds.
15,051	
This is partly due to the carriage of locomotive coal and partly to indigo manufacturing in which coal is mostly used.	
Food-grains	98,616
Due to the scarcity of grains in the districts.	
Railway materials	69,700
Due to the rapid progress of the extensions of this railway.	
Timber	2,370
This is a nominal increase and is not worthy of explanation.	

## DECREASES.

Hides and horns	5,038
This is due to the Calcutta market being dull.	
Salt	22,654
The existing stock has not been exhausted, and imports of salt as a rule decrease in the rains.	
Seeds	21,229
Due to very small demand and poor outturn.	
Tobacco	23,604
The crop has been very poor, and hence the decrease.	
Lime and kunker	11,930
The engineering works that raised the demand for this have been completed.	

HORACE BELL,  
Manager.

A. POPE,  
Traffic Superintendent.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 16th August 1884 on 1,500½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	170,541	1,51,444 9 6	18,54,099 0	4,16,127 7 0	16,020 7 0	6,10,602 7 0	61,097	86,496½	147,593½
Or per mile of railway	120 3 1			274 5 8	9 15 3	404 8 0			
For previous 6 weeks of half-year	1,157,992	11,38,192 6 0	1,15,88,315 20	27,06,296 13 2	99,303 13 2	39,61,745 0 4	551,312½	815,699½	806,902½
Total for 7 weeks	1,314,533	12,89,686 15 6	1,34,15,014 20	31,20,424 4 2	1,11,326 4 2	45,74,337 7 4	612,400½	8,17,398½	1,014,513½
COMPARISON.									
Total for corresponding week of previous year	193,940½	2,03,316 7 6	24,62,117 10	6,91,332 14 0	19,653 9 2	9,14,544 16 7	61,833	145,058	807,790
Per mile of railway corresponding week of previous year	134 11 9			458 2 3	13 0 5	605 16 5			
Total to corresponding date of previous year	1,964,278	13,83,809 3 8	1,65,31,057 10	47,54,723 5 7	1,30,105 15 4	62,58,727 8 7	431,576	1,017,064	1,461,540

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 15TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 15TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,500	9,14,305	608	1,500½	6,10,592	405	1,500	2,03,73,324	15,601	1,500½	1,62,01,966	10,723		41,71,419

## EASTERN BENGAL STATE RAILWAY.

Approximate return of traffic for week ended 16th August 1884 on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week	77,894	28,080 0 0	2,74,883 0	28,130 0 0	5,720 0 0	33,850 0 0	12,900	10,295	23,141
Or per mile of railway	217	81 0 0	766 0	164 0 0		245 0 0			
For previous 6 weeks of half-year	494,314	1,78,790 0 0	11,21,031 0	1,99,430 0 0	36,380 0 0	4,08,690 0 0	74,766	46,491	1,19,167
Total for 7 weeks	572,098	2,07,770 0 0	13,96,514 0	2,28,560 0 0	36,100 0 0	5,92,430 0 0	89,572	56,036	1,42,308
COMPARISON.									
B.—Total for corresponding week of previous year	66,375	28,318 0 0	2,95,196 0	36,829 0 0	8,520 0 0	76,207 0 0	8,679	6,844	16,523
Per mile of railway corresponding period of previous year	263	167 4 8	780 0	130 4 10		227 9 6			
Total to corresponding date of previous year	618,702	2,40,137 0 0	14,93,867 0	2,49,568 0 0	58,004 0 0	5,72,369 0 0	79,167	49,325	1,19,713

A.—Includes receipts of Calcutta and South-Eastern Railway, and 80 per cent. of receipts of Bengal Central Railway, viz. Rs. 4,045 and Rs. 3,496 respectively apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz. Rs. 162, and Calcutta and South-Eastern receipts, Rs. 4,959.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 15TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 15TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
363	76,297	209	359*	60,380	231	363	17,36,204	6,897	359	15,27,163	4,254		2,71,161

\* Increase in mileage.

	Miles.
Forada section	6
Bengal Central Railway, Bongaon to Kbulna	31
	36



## BENGAL CENTRAL RAILWAY.

Approximate return of Traffic for week ended 16th August 1884, on 126 Miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week ...	17,744	6,216 0 0	9,515 0	746 0 0	33 0 0	6,997 0 0	3,227	1,098	4,225
Or per mile of railway ...	137	50 0 0	74 0	6 0 0	...	55 0 0	...	...	...
For previous 6 weeks of half-year ...	104,611	37,653 0 0	50,763 0	5,972 0 0	207 0 0	44,212 0 0	17,933	6,641	24,573
Total for 7 weeks ...	121,855	44,149 0 0	60,078 0	6,720 0 0	340 0 0	51,209 0 0	21,160	7,739	28,899
COMPARISON.									
B.—Total for corresponding week of previous year ...	8,968	1,821 0 0	9,701 0	269 0 0	14 0 0	1,904 0 0	867	261	1,206
Per mile of railway corresponding period of previous year ...	256	46 0 0	277 0	7 11 0	0 0 0	54 6 8	...	...	...
Total to corresponding date of previous year ...	68,154	11,478 0 0	1,02,653 0	2,376 0 0	261 0 0	14,115 0 0	6,167	2,310	8,477

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 16TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 16TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35	1,004	34	126	6,997	56	55	42,853	1,224	126	1,77,767	1,490	1,41,914	...

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th August 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	7,180	2,835 3 0	56,719 30	4,173 11 0	34 0 0	8,061 14 0	1,698	1,048	2,203
Or per mile of railway ...	126	57 0 0	991 30	72 15 2	0 9 6	140 15 1	...	...	...
For previous 6 weeks of half-year ...	51,300	27,502 0 0	2,51,263 10	21,093 15 0	202 9 0	49,163 15 0	9,707	6,734	16,546
Total for 7 weeks ...	58,680	31,217 8 0	3,08,283 0	25,771 10 0	236 9 0	57,225 11 0	11,405	8,274	19,723
COMPARISON.									
Total for corresponding week of previous year ...	9,110	4,017 13 7	22,342 0	1,264 14 0	37 4 0	5,619 15 7	1,904	490	2,203
Per mile of railway corresponding week of previous year ...	160	70 3 10	390 30	27 5 9	0 10 5	98 4 0	...	...	...
Total to corresponding date of previous year ...	50,002	26,528 2 1	1,80,543 0	12,431 1 0	256 13 0	39,015 13 1	12,864	4,262	17,144

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 16TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
57½	4,030	66	57½	6,463	161	57½	1,59,340	1,766	57½	1,70,723	2,985	11,903	...

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 16th August 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	1,928	410 5 0	4,471 0	118 7 0	34 1 0	556 18 0	231	98	330
Or per mile of railway ...	...	34 3 1	...	9 5 11	2 13 5	46 6 5	...	...	...
For previous 6 weeks of half-year ...	14,087	2,821 7 0	40,320 20	999 3 0	265 12 0	3,786 3 0	966	914	1,880
Total for 7 weeks ...	15,935	2,831 12 0	44,791 20	1,111 10 0	299 13 0	4,343 3 0	1,197	1,012	2,209
COMPARISON.									
Total for corresponding week of previous year ...	2,363	386 8 11	9,785 10	233 1 0	14 3 0	635 12 11	219	110	329
Per mile of railway corresponding week of previous year ...	...	32 3 5	...	19 6 9	1 2 11	52 13 1	...	...	...
Total to corresponding date of previous year ...	14,900	2,580 14 2	63,912 30	1,340 6 0	179 13 0	4,501 2 2	1,552	761	2,303

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 16TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
12	Rs. 694	Rs. 58	12	Rs. 557	Rs. 46	12	Rs. 19,833	Rs. 1,653	12	Rs. 22,276	Rs. 1,856	Rs. 2,443	Rs. ....

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th August 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,774	3,129 8 0	30,992 0	1,783 3 0	88 9 0	4,071 4 0	625½	827½	1,453½
Or per mile of railway ...	...	42 0 2	...	23 8 6	1 3 0	54 11 8	...	...	...
For previous 6 weeks of half-year ...	22,705	20,162 0 0	2,65,354 10	11,582 6 3	534 4 0	22,272 9 3	3,687½	8,512½	9,199½
Total for 7 weeks ...	27,500	23,291 8 0	3,04,676 10	13,335 9 3	622 13 0	37,249 13 3	4,312½	9,339½	10,652½
COMPARISON.									
Total for corresponding week of previous year ...	2,785	3,524 2 4	24,013 30	2,833 11 0	193 14 0	6,601 11 4	639	664	1,303
Per mile of railway corresponding week of previous year ...	...	47 4 10	...	38 11 4	2 9 6	88 9 10	...	...	...
Total to corresponding date of previous year ...	27,004½	23,347 0 5	1,40,546 20	15,840 12 0	700 8 0	37,985 4 5	4,465	4,300	8,765

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 16TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 16TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 16TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
74½	Rs. 6,002	Rs. 80	74½	Rs. 4,071	Rs. 67	74½	Rs. 1,22,810	Rs. 1,646	74½	Rs. 1,26,286	Rs. 1,820	Rs. 13,076	Rs. ....

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			2nd June 1884.	31st May 1884.	To 2nd June 1884.	To 31st May 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
31st June ...	Northern Bengal ...	240	25,745 0 0	46,718 0 0	10,01,388 0 0	8,32,513 0 0	1,68,875 0 0	1,68,875 0 0	-17
14th " ...	Tirhoot ...	193	10,678 0 0	23,405 0 0	8,55,908 0 0	4,97,366 0 0	3,58,542 0 0	3,58,542 0 0	+40
21st " ...	Calcutta and South-Eastern ...	80	5,796 0 0	7,550 0 0	1,30,818 0 0	1,43,070 0 0	12,252 0 0	12,252 0 0	+9
30th " ...	Nalhati ...	27½	1,092 0 0	1,346 0 0	87,443 0 0	87,362 0 0	81 0 0	81 0 0	-14
	Total ...	520½	63,813 0 0	81,025 0 0	18,75,552 0 0	15,60,291 0 0	3,15,261 0 0	3,15,261 0 0	

## BENGAL PROVINCIAL RAILWAYS.

## Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			9th June 1884.	7th June 1884.	To 9th June 1884.	To 7th June 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
31st June ...	Northern Bengal ...	240	38,748 0 0	35,881 0 0	10,40,114 0 0	8,67,694 0 0	1,72,420	1,72,420	-17
14th " ...	Tirhoot ...	193	10,314 0 0	23,623 0 0	3,75,219 0 0	3,20,006 0 0	55,213	55,213	+28
21st " ...	Calcutta and South-Eastern ...	80	5,948 0 0	6,987 0 0	1,35,760 0 0	1,49,027 0 0	13,267	13,267	+9
30th " ...	Nalhati ...	27½	1,613 0 0	2,169 0 0	89,086 0 0	88,871 0 0	215	215	-10
	Total ...	520½	66,623 0 0	68,659 0 0	15,91,179 0 0	13,75,596 0 0	2,15,583	2,15,583	-1

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Earnings for week ending 9th August 1884	Rs. A. P.
Corresponding week last year	9,490 0 0
Increase	10,115 11 6
Receipts from 1st July to 9th August 1884	625 11 6
Ditto ditto to 11th August 1883	49,984 0 0
Increase	49,358 8 11
Miles open week ending 9th August 1884	620 10 1
Corresponding week last year	60
Receipts per mile open week ending 9th August 1884	189 12 10
Corresponding week last year	202 5 0
Increase	12 6 10

DARJEELING, the 16th August 1884.

W. STEVENSON, Secretary.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Earnings for week ending 16th August 1884	Rs. A. P.
Corresponding week last year	8,061 0 0
Increase	8,849 4 3
Receipts from 1st July to 16th August 1884	2,701 11 9
Ditto from 1st July to 18th August 1883	55,206 1 6
Increase	52,504 10 2
Miles open week ending 16th August 1884	493 7 4
Corresponding week last year	50
Receipts per mile open week ending 16th August 1884	161 0 4
Corresponding week last year	106 15 9
Increase	54 4 7

DARJEELING, the 23rd August 1884.

W. STEVENSON, Secretary.





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 3, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### WORKS OF PUBLIC UTILITY CONSTRUCTED IN 1883.

#### GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

*No. 1477 M.P.I., dated Calcutta, the 1st September 1884.*

#### READ—

Statement of works of public utility constructed by private individuals in the several districts of Bengal during the year 1883.

#### Read again—

Statement of similar works constructed during 1882, and the Resolution thereon.

**REMARKS.**—The following works of public utility were constructed by private individuals during the year 1883:—

	No. of works.	Cost.
		Rs.
Buildings	11	18,723
Roads	15	10,551
Bridges	1	5,730
Embankments or bunds	3	3,847
Tanks	166	1,21,824
Wells	46	18,719
Masonry ghats	5	7,781
Sluice gates	1	1,828
Petty works costing less than Rs. 200 each	...	33,639

2. The total number of works costing more than Rs. 200 each, which were constructed during the year under review, and the total amounts contributed for them, as compared with those of the previous two years, are shown below :—

Year.	Number of works costing between Rs. 200 and Rs. 500 each.	Number of works costing more than Rs. 500 each.	Total number of works costing Rs. 200 and upwards each.	Total expenditure on works costing Rs. 200 and upwards each.	Add cost of petty works under Rs. 200.	Total contributions.
				Rs.	Rs.	Rs.
1881 ... ..	137	72	209	2,78,288	39,791	3,18,075
1882 ... ..	105	75	180	1,34,204	24,141	1,58,345
1883 ... ..	142	106	248	1,83,503	33,639	2,17,142

3. The number of works costing over Rs. 200 each, carried out in each district, and the amounts contributed for their construction are as below :—

Name of district.	No. of works.	Total cost. Rs.
Burdwan ... ..	5	6,080
Bankoora ... ..	3	1,400
Beerbhoom ... ..	2	450
Midnapore ... ..	11	6,632
Hooghly ... ..	2	1,800
Howrah ... ..	3	11,806
24-Pergunnahs ... ..	1	300
Nuddea ... ..	18	20,851
Jessore ... ..	5	1,950
Moorshedabad ... ..	2	1,100
Khulna ... ..	3	975
Rajahmbye ... ..	35	24,402
Pubna ... ..	3	2,650
Rungpore ... ..	8	5,500
Julpigoree ... ..	8	19,536
Dacca ... ..	1	300
Furreedpore ... ..	9	5,650
Backergunge ... ..	Nil.	Nil.
Mymensingh ... ..	13	5,435
Chittagong ... ..	1	300
Noakholly ... ..	1	200
Tipperah ... ..	1	350
Patna ... ..	2	2,600
Gya ... ..	2	450
Shahabad ... ..	7	1,925
Mozufferpore ... ..	7	3,050
Durbhunga ... ..	16	12,325
Sarun ... ..	6	2,900
Chumparun ... ..	4	1,750
Monghyr ... ..	21	12,500
Bhagulpore ... ..	4	1,325
Furneah ... ..	13	7,600
Maldah ... ..	2	1,850
Sonthal Pergunnahs ... ..	3	1,600
Hazarihagh ... ..	3	1,262
Manbhoom ... ..	1	700
Singbhoom ... ..	14	9,029
Outtack ... ..	3	2,200
Pooree ... ..	1	270
Balasore ... ..	4	1,500
	248	1,83,503

4. Of the works contributed under the sub-heads enumerated in paragraph 1, the following are especially noted :—

*Buildings.*—The total of Rs. 18,723 under this head is principally made up of the contributions by Baboo Saroda Prosad Bose of Madhain Majoo in the Howrah district, who gave Rs. 10,000 for a permanent building for a school ;

Baboo Bittun Mani Kundu, who contributed Rs. 1,677 for a charitable dispensary and hostel at Naduria in the Nuddea district; and Baboo Jadu Roy of the Patna district, who paid Rs. 2,000 for a permanent building for the accommodation of pilgrims.

*Roads.*—Under this head Rs. 10,551 were contributed. Of this amount, the Court of Wards, on behalf of the minor Maharajah of Cooch Behar, gave Rs. 5,234 for a road from Debeegunge to Sonahar in Chakla Boda.

*Bridges.*—Of the Rs. 5,730 contributed, Baboo Amrito Lall Mookerjee of Burdwan gave Rs. 5,030 for a masonry bridge over the Feringachee river.

*Embankments or Bunds.*—Rupees 3,847 were contributed for these works. Of this amount, the Court of Wards, on behalf of the Cooch Behar State, gave Rs. 3,297.

*Tanks.*—Rupees 1,21,324 were contributed for these; and the largest contributions are from Raja Ram Chunder Deo, in the Singbhoon district, Shah Ali Ahmed of Moolnagar, Raja Ram Gopal Roy Chowdhury of Billogram in Dinagepore, and the Court of Wards in Cooch Behar, who gave respectively, Rs. 9,029, Rs. 4,000, Rs. 3,500, and Rs. 3,192. The liberality of the first named gentleman extended to no less than thirteen different villages in his estate. Many generous beneficences for the supply of good water by the construction of tanks, exceeding Rs. 1,000 each in cost, are to be found in the lists received from the Commissioners of divisions.

*Wells.*—The amount of contributions under this head is Rs. 13,719. Of this, Rs. 1,925 were contributed in the district of Shahabad for the construction of 7 wells; Rs. 4,600 in the district of Monghyr for 16 wells; and Rs. 2,250 in the district of Purneah for 7 wells. The remaining 46 wells constructed during the year are distributed among the districts of Julpigoree, Patna, Mozufferpore, Durbhunga, Sarun, Chumparun, Bhagulpore, and Hazaribagh.

*Masonry Ghats.*—Rupees 7,781 were contributed for these works, of which amount, the Court of Wards, on behalf of the Bhup Bahadur of Cooch Behar, gave Rs. 4,481, and Chet Narain Kulwar of Surnj Gurha, in Monghyr, gave Rs. 2,000.

*Sluice Gates.*—One sluice gate was constructed by the Court of Wards, on behalf of the Bhup Bahadur of Cooch Behar, at a cost of Rs. 1,828.

**RESOLUTION.**—The voluntary contributions by native gentlemen for works of public utility have increased during the year under review; and the Lieutenant-Governor has much pleasure in acknowledging the public spirit and liberality of the numerous donors.

2. Letters of acknowledgment will be forwarded by Government to those who have constructed important works. The contributors of works costing Rs. 500 and under, will, as usual, receive an acknowledgment from the Commissioner or Magistrate of the division.

**ORDER.**—Ordered that a copy of this Resolution and of the Statement be forwarded to the Board of Revenue, Lower Provinces, and to all Commissioners of Divisions; to the Commissioner of Chota Nagpore, and to all Superintending Engineers of Public Works Circles in Bengal, for information.

Ordered also that a copy of this Resolution and of the Statement be forwarded to the Revenue and Judicial Departments of this Government for information.

Ordered also that this Resolution and the Statement be published in the Supplement of the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

S. T. TREVOR, Col., R.E.,

Secretary to the Govt. of Bengal,  
P. W. Dept.



## PUBLIC WORKS DEPARTMENT,—BENGAL.

Statement of works of public utility constructed by private individuals in the several districts of the Burdwan and other Divisions in Bengal during the year 1883.

Division	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of district.	
					Rs. A. P.	Rs. A. P.	
BURDWAN.	Burdwan	Amrita Lall Mookerjee ...	Pucca bridge ...	Over the Feringachia river, near village Mukarpore, in police station Culna.	5,000 0 0		
		Mobendro Nath Tany ...	An old tank excavated	Pandoo Gram police station, Keturam.	200 0 0		
		Megaram Gope ...	Tank ...	Mohammara police station, Assensole.	600 0 0		
		Nisar Misry ...	Do. ...	Sata police station, ditto	250 0 0		
		Rames Sornomoyee of Moorshedabad.	Do. ...	Ladua police station, ditto	200 0 0		
		Work costing less than Rs. 200	.....	.....	120 0 0		
	Bankura	Kali Prasad Roy ...	Tank ...	Kaldaha police station, Onda	500 0 0	6,220 0 0	
		Gopal Chunder Goswain ...	Do. ...	Bansgram police station, Bankura.	500 0 0		
		Gopinath Singh ...	Do. ...	Bhadul police station, ditto	300 0 0	1,400 0 0	
	Bardhaman	Sham Shome ...	Reclaiming a tank ...	Church police station, Soery	200 0 0		
Gyran Mundie ...		Ditto ditto, 3 bighas in area.	Kalikapore police station, Balpur.	250 0 0			
	Work costing less than Rs. 200	.....	.....	150 0 0			
Midnapore	Ram Dhona Das ...	Tank ...	Romshirunge police station, Daspur.	1,500 0 0	600 0 0		
	Raja Gunga Narain Singha ...	Do. ...	Ramsurh police station, Bispore-outpost, Rangurh.	1,100 0 0			
	Biswanath Roy ...	Do. ...	Mundie Bhanga police station, Garbatta.	1,000 0 0			
	Narayan Bhush ...	Do. ...	Bhupatnagar police station, Kutahata.	600 0 0			
	Jotadhari Maiti ...	Do. ...	Village Chowkhola ...	600 0 0			
	Behari Lal Singha ...	Do. ...	Chanda police station, Chandersona.	200 0 0			
	Mukteram Mundie ...	Do. ...	Manlora police station, Garbatta.	300 0 0			
	Keshub Das ...	Do. ...	Mar Bokna school and Government road in police station Boshunathpore.	200 0 0			
	Andiram Shaw ...	Do. ...	Berkool-outpost, Sagoomar ...	225 0 0			
	Gowul Shaw ...	Do. ...	Bodhia police station, Pataspore.	250 0 0			
	Srinath Chunder Roy ...	Do. ...	Utterbarh police station, Dasapore.	200 0 0			
	Works costing less than Rs. 200 each.	Do. ...	.....	225 0 0			
Hooghly	Nitya Nunda Das ...	Digging a tank ...	Satgong police station, Hooghly.	1,100 0 0	6,085 0 0		
	Shorup Chunder Sarkhel ...	Re-digging a tank ...	Babooli thana, Singhoor	700 0 0			
	Krishto Chunder Shaw ...	Pucca building for a school.	Pattahal police station, Jagatbulbupore.	1,510 0 0	1,500 0 0		
	Saroda Prasad Bose ...	Ditto ditto	Madhain Majon, in police station Jagatbulbupore.	10,000 0 0			
Howrah	Kristo Chunder Shaw ...	Constructing a cutcha road from Birga-ha to Bankrabah, about 3 miles in length.	From Birga-ha to Bankrabah, in ditto.	500 0 0			
	Works costing less than Rs. 200 each.	Ditto ditto	Ditto ditto	275 0 0			
	TOTAL OF BURDWAN DIVISION					.....	12,081 0 0
						.....	19,075 0 0
PRESIDENT.	24-Pargunnahs	Baloo Kanti Chunder Mookerjee of Kachua.	Tank excavated	Rahutai Nathai police station.	.....	300 0 0	
		Nobin Chunder Sen	Tank ...	Naderia, Novadipa	700 0 0		
	Batan Manic Kund	Charitable dispensary and a hotel.	Ditto ditto	1,081 0 0			
	Nuddea	Raja Ram Gopal Roy Chowdhry of Dinarepore.	Tank ...	Billgram	2,500 0 0		
		Motomathi Pal	Do. ...	Jogedanunpur	1,000 0 0		
		Rev. endra Gopal Roy	Do. ...	Moushat	1,550 0 0		
		Motomendra Gopal Roy	Do. ...	Ditto	2,125 0 0		
		Chunder Mundul	Do. ...	Dohar Barcha	1,000 0 0		
		Jasur Mundul	Do. ...	Kathurpara	800 0 0		
		Gadai Ghose	Do. ...	Alipore	800 0 0		
		Hazir, Shukh	Do. ...	Nishputipara	500 0 0		
		Ratul Biswas	Do. ...	Kutubpore	500 0 0		
		Natar Chunder Pal Chowdhry	Do. ...	Natalanga	2,000 0 0		
		Krishna Lal Ghose	Do. ...	Nagorbank	3,400 0 0		
		Jagdishwar Poddar	Do. ...	Budderpur	1,200 0 0		
		Hopin Behary Biswas	Do. ...	Paikpara	800 0 0		
		Dwarkan. Nath. Shaw	Do. ...	Kalanpur	800 0 0		
		Bukhi Biswas and others	Do. ...	Potimari	800 0 0		
			Works costing less than Rs. 200	.....	.....	30 0 0	
					.....	20,851 0 0	
Carried over					.....	21,181 0 0	

Division	District	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.
					Rs. A. P.	Rs. A. P.
PRESIDENCY—continued.	Jessore	Bhoda Mundul ...	Tank ...	Tasfidanga police station, Kowal.	400 0 0	21,181 0 0
		Sobar Sheik ...	Road ...	Kakrampur to Manchempur police station, Keshubpur.	500 0 0	
		Adinar Khan ...	Do. ...	Borenga police station, ditto.	200 0 0	
		Rhama Sundori Das ...	Do. ...	Kandarpur to Borenga police station, ditto.	200 0 0	
		Baloo Kartic Das Kundu ...	Do. ...	Mozulhatta police station, Lohagura.	600 0 0	
	Moorsheadabad	Work costing less than Rs. 200			100 0 0	2,050 0 0
		Bishomath Halder ...	Pucca bathing ghat on the river Bhagirathi.	Lalbah police station, Shamnagore.	700 0 0	
		Modhushudan Roy ...	Tank ...	Bhudebpur police station, Gosah.	400 0 0	
	Khulna	Ashutosh Roy ...	Do. ...	Chundannur police station, Kaluram.	300 0 0	1,100 0 0
		Nobin Chunder Banerjee ...	Road ...	Dehhatta police station, Kailganga.	275 0 0	
		Prannath Kurinokar ...	Tank ...	Dadpur police station, ditto.	400 0 0	
		Works costing less than Rs. 200			315 0 0	
	TOTAL OF PRESIDENCY DIVISION					25,021 0 0
RAJSHAHY.	Rajshahye	Moharani Sarat Soondari Devi.	Tank ...	Godagaree ...	800 0 0	24,832 0 0
		Baboo Talukdar ...	Do. ...	Bulhatia ...	400 0 0	
		Basick Mundul ...	Do. ...	Ranchunderpore ...	500 0 0	
		Ram Sircar ...	Do. ...	Kajaria ...	300 0 0	
		Ram Narain Ghose ...	Do. ...	Kaptesraha ...	750 0 0	
		Ram Goumar Ghose ...	Do. ...	Rabesraha ...	700 0 0	
		Ram Ghose ...	Do. ...	Kagtia ...	250 0 0	
		Golunda Monumdar ...	Do. ...	Budhanathpore ...	775 0 0	
		Chinoo Sircar ...	Do. ...	Kachua ...	300 0 0	
		Koken Jaji ...	Do. ...	Budeshara ...	600 0 0	
		Kamruti Mullik ...	Do. ...	Kachupore ...	700 0 0	
		Nab Fakur ...	Do. ...	Kachur ...	600 0 0	
		Chunder Mundul ...	Do. ...	Bukarpore ...	700 0 0	
		Antin Shoma ...	Do. ...	Shinta ...	550 0 0	
		Dakhyani Gupta ...	Do. ...	Madhupore ...	1,000 0 0	
		Araz Shookh ...	Do. ...	Kajapore ...	100 0 0	
		Umal Hajee ...	Do. ...	Golla ...	57 0 0	
		Shondal Mundul ...	Do. ...	Chur Khair ...	425 0 0	
		Shur Sircar ...	Do. ...	Jamshedangah ...	2,100 0 0	
		Shedon Mundul ...	Do. ...	Jamra ...	2,100 0 0	
		Shajal Shoma ...	Do. ...	Medhokhally ...	250 0 0	
		Protap Kabiraj ...	Do. ...	Chur Gobindapore ...	1,600 0 0	
		Koomar Jogendro Nath Roy Bahadur.	Do. ...	Pawl Shoorat ...	1,000 0 0	
		Thakoor Doss Dutta ...	Do. ...	Katapoor ...	1,000 0 0	
		Showamun Debua ...	Do. ...	Bure Chowgong ...	700 0 0	
		Rhagobai Napt ...	Do. ...	Belgharia ...	1,000 0 0	
		Messrs. Watson & Co. ...	Do. ...	Chatteria Factory ...	300 0 0	
		Bawool Shaha ...	Do. ...	Pakoorah ...	200 0 0	
		Daysara Nath Sen ...	Do. ...	Markotia ...	450 0 0	
		Manu Mundul ...	Do. ...	Narayanpore ...	370 0 0	
		Bidun Kabiraj ...	Do. ...	Kolungar ...	500 0 0	
		Rinkoo Mundul ...	Do. ...	Kachupore ...	400 0 0	
		Shooka Mundul ...	Do. ...	Shamapore ...	425 0 0	
		Dakhyunee Dasia ...	Repair of an old tank.	Komar Kooroo ...	300 0 0	
		Ramjoy Hazra ...	Ditto ditto	Dharis ...	350 0 0	
		Works costing less than Rs. 200			450 0 0	
	Pubna	Dinobandhu Bhaduri ...	Tank ...	Jamira ...	200 0 0	2,552 0 0
		Sham Fakur ...	Do. ...	Tara ...	700 0 0	
		Tarini Sircar ...	Do. ...	Makurahan ...	1,150 0 0	
	Bungpore	Budhee Shaha ...	Do. ...	Khalas ...	2,000 0 0	5,650 0 0
		Majoy Mahomed Meah ...	Do. ...	Diamandari ...	250 0 0	
		Jameuddin and Peetook Monchoo.	Do. ...	Apar Khutta ...	600 0 0	
		Shoof Mahomed Pinda ...	Do. ...	Malatibari ...	400 0 0	
		Birgo Mohun Dasa Sircar ...	Do. ...	Balua ...	250 0 0	
		Pramber Bormage ...	Do. ...	Khamar Bamonia ...	500 0 0	
		Kamer Mahomed Pramenik ...	Do. ...	Golua ...	1,300 0 0	
	Salpigram	Hoonda Sircar ...	Road ...	From Chandpore to Kamardaho.	200 0 0	12,854 0 0
		Works costing less than Rs. 200			150 0 0	
			Repair of the central emigration road.	23 miles ...	574 0 0	
			Construction of a road.	From Deheerunge to Sonahar in Chakla Boda, 5 miles.	5,234 0 0	
			Construction of a	At Chitta Han, Chakla Boda.	404 0 0	
			Construction of an	On the river Gobra, 530 feet by 50 feet.	5,297 0 0	
			Construction of a	On Seagazi embankment in river Gobra.	1,829 0 0	
	Court of Ward on behalf of the minor Bhup Bahadur of Cooch Behar.		Construction of a	At Boda tank ...	4,451 0 0	23,016 0 0
			masonry bathing ghat.			
			Deepening a tank ...	At Tonahar ...	3,198 0 0	
			Repairs of charitable dispensary.	Titilya ...	220 0 0	
	TOTAL OF RAJSHAHY DIVISION					23,016 0 0

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.
					Rs. A. P.	Rs. A. P.
DACCA.	Dacca	Shubhadra Dasgupta	Tank	Abdullapore in thana Moonsheegunge.	300 0 0	300 0 0
		Parash Nath Ghose	Tank	Chur Ghosepore	400 0 0	
		Kali Kumar Sircar	Do.	Shibranpore	750 0 0	
		Guru Churn Rudra	Do.	Poshera	1,200 0 0	
		Prohm Pant	Do.	Nowpara	800 0 0	
		Basil Chandra Bhattacharya	Do.	Basidool	800 0 0	
		Mattendri Khondkar	Do.	Rhembaria	800 0 0	
		Rao Kumar Sircar	Do.	Barua	1,300 0 0	
		Bhagwati Das	Do.	Sasikur	300 0 0	
		Krishna Lohan Jogi	Do.	Kendua	200 0 0	
	Backergunge	Nil.				8,250 0 0
		Hari Nath Shaha	Village road	From Ghonorbund to Konorpara.	200 0 0	
		Balaran Shaha	Tank	Alaha Kanda	1,185 0 0	
		Chandra Nath Das	Do.	Jogeshchandan	550 0 0	
		Kam Nath Sarmah	Do.	Baruhatti	300 0 0	
		Hosono Das	Do.	Luckhira	500 0 0	
		Hari Mohan Sircar	Do.	Narandee	200 0 0	
		Roshan Shaha	Do.	Ramchandradee	300 0 0	
		Lachhi Mandal	Do.	Barooka	450 0 0	
		Kooli Napti	Do.	Ditto	450 0 0	
		Rusali Shaha	Do.	Chur Barspekha	350 0 0	
		Kemant	Do.	Kalpe	500 0 0	
		Tamir Shaha	Do.	Ditto	300 0 0	
		Lakshmi Sircar	Do.	Khagadhar	400 0 0	
		Works costing less than Rs. 200.			160 0 0	5,595 0 0
TOTAL OF DACCA DIVISION						11,545 0 0
CHITTAGONG.	Chittagong	Fedaram Poddar	Road	Goondundi, Fatia station	300 0 0	300 0 0
	Nonakhali	Munshi Abdul Karim	Tank	In Solonia Hat, outpost Silonia, station Feni.	200 0 0	200 0 0
	Tipperah	Hassan Ali Chowdry (deceased) of Kauchampur.	Contribution towards the maintenance of Chandpur school.	Chandpur	350 0 0	350 0 0
	Chittagong Hill Tracts.	Nil.				
						850 0 0
TOTAL OF CHITTAGONG DIVISION						
PATNA.	Patna	Gunga Singh	Pucca well	North of Bankipore station	600 0 0	
		Jaddu Roy	Pucca building for the accommodation of pilgrims.	Poonpoo	2,000 0 0	
		Works costing less than Rs. 200.			150 0 0	2,750 0 0
		Subun Lal	Pucca semi or shed for travellers.	Gosain Barh	250 0 0	
		Mungul Singh	Kutcha semi or shed for travellers.	Dulhingunge	200 0 0	
		Works costing less than Rs. 200.			430 0 0	580 0 0
		Mukhran Gosain	Pucca well	Sinha village	500 0 0	
		Baboo Ramjagan Singh	Ditto	Ditto	500 0 0	
		Baboo Lal Kalwar	Ditto	Kewl Chuprah	200 0 0	
		Itai Kumar Singh	Ditto	Benuwa	325 0 0	
		Bhagwan Ramdar	Ditto	Bhuanes	250 0 0	
		Bakheri Soodhi	Ditto	Nasirunge	300 0 0	
		Shobhant Shah	Ditto	Ditto	545 0 0	
		Works costing less than Rs. 200.				2,770 0 0
		Doit Raut	Tank	Ladawra	200 0 0	
		Manager of Murarpore Factory.	Do.	Mararpore	400 0 0	
		Durga Singh	Do.	Kadipore	500 0 0	
		Maharaj Singh	Road with bund	Nagawan	200 0 0	
		Musamut Khutain Kour	Bund	From Barburwa to Furmanpore.	350 0 0	
		Wife of Ramchand Singh	Tank	Bachan	500 0 0	
		Pasha Saha	Well	Akhia	250 0 0	
		Ramchandran Kalwar	Pucca bridge	Musabuk	700 0 0	
		Works costing less than Rs. 200.			16,545 0 0	13,305 0 0
		Ravoo Kuroo	Two wells	Gotherat	200 0 0	
		Bhugoo Raut	Pond	Bithan	400 0 0	
		Bachin Jha	Do.	Puhra	1,107 0 0	
		Ramchand Singh	Do.	Kotgawag	1,518 0 0	
		Rasanthi Jha	Tank	Kadipore	2,000 0 0	
		Gurush Dutt Das	Do.	Bachan	500 0 0	
		Maharajah of Durbhanga	Do.	Pushi	500 0 0	
		Ditto ditto	Do.	Bithan	500 0 0	
		Raju Mandal	Do.	Kakardoh	800 0 0	
		Jacu Singh	Do.	Khajuri	800 0 0	
		Maharajah of Phaja (the mother of Maharajah of Durbhanga).	Do.	Bhaja	1,000 0 0	
		Rin Maito	Do.	Chandebour	300 0 0	
		Mr. William Finch	Do.	Ladipore	500 0 0	
		Musamut Tinku Halwain	Do.	Moudinnagar	1,000 0 0	
		Musamut Sundar Kunwar	Well	Pagra	300 0 0	
		Giraj Chowdhury	Do.	Sohat	200 0 0	
		Works costing less than Rs. 200.			755 0 0	15,060 0 0
Carried over						33,567 0 0



Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.
PATNA-CHITRA.	Bhagalpur.	Museamat Ram Kali Kour and Chaup Kali Kour	Tank	Bhagalpur	1,700 0 0	32,987 0 0
		Ram Sawaruth Sahoo Kulwar	Well	Bhagalpur	400 0 0	
		Mohant Ramdas Bairagi	Do.	Bhagalpur	200 0 0	
		Dearka Houshi	Do.	Bhagalpur	200 0 0	
		Mohant Singh	Do.	Bhagalpur	200 0 0	
		Ganesha Gir	Do.	Bhagalpur	200 0 0	
		Works costing less than Rs. 200.			10,370 0 0	
		Rajah Ali Buzhi	Tank	Nurpore	1,000 0 0	
		Bhulook Das	Do.	Madhabani	200 0 0	
		Prayag Das	Embankment	Harpore	200 0 0	
PATNA-CHITRA.	Chumpran.	Sahawan Lal	Well	Bettiah	350 0 0	6,496 0 0
		Works costing less than Rs. 200.			4,746 0 0	
		TOTAL OF PATNA DIVISION				52,633 0 0
BHAGULPORE.	Monghyr.	Moharajah Luckmimur Singh of Durbhanga.	Road, 3 miles long	Kharakpur to Aghia nuddy	400 0 0	14,900 0 0
		Shah Ali Ahmed	Tank, with pucca ghat	Moulmazar	5,000 0 0	
		Behari Kuran	Tank	Bhawanpur	1,000 0 0	
		Mohant Sewak Ram	Pucca wall	Madhabpur	500 0 0	
		Kunoo Bhattacharya	Do.	Bhawanpur	200 0 0	
		Ganga Dhar Prasad	Two ditto	Lakho	250 0 0	
		Phokun Mahton	One ditto	Bhawanpur	400 0 0	
		Jug Mohun Singh	Do.	Kumta	300 0 0	
		Ram Lal Chowdhry	Do.	Nowrang	250 0 0	
		Lala Chowdhry	Do.	Sirva	200 0 0	
BHAGULPORE.	Bhagalpur.	Hansraj Das	Do.	Chak Paring	300 0 0	1,475 0 0
		Taley Chowdhry	Do.	Kharanagunge	350 0 0	
		Mowji Lal	Do.	Jalhwara	400 0 0	
		Museamat Chowdhry, wife of Daksar Bawa, deceased.	Do.	Itchornah	250 0 0	
		Bharat Kanti	Do.	Dhura	300 0 0	
		Deoki Bhagat Kour	Do.	Chiraon	200 0 0	
		Lachman Chowdhry	Do.	Hinda Bazar	200 0 0	
		Nathoo Mahton	Do.	Sury Guria	2,000 0 0	
		Ganga Sahoo Kulwar	Pucca ghat on the bank of the Ganges.		2,400 0 0	
		Works costing less than Rs. 200 each.				
BHAGULPORE.	Purneah.	Rhoneshri Prasad	Tank	Nazarpur Tola Bairbana	375 0 0	7,600 0 0
		Mohit Jha	Well	Murwah	200 0 0	
		Yee Maya	Do.	Komarsar	250 0 0	
		Mohant Ram Chunder Puri	Do.	Bhallowa	130 0 0	
		Works costing less than Rs. 200 each.				
		Karu Singh	Do.	Goragawa	1,500 0 0	
		Hem Nath Pattak	Do.	Awail	750 0 0	
		Sew Prasad Mandal	Do.	Kamrager	700 0 0	
		Behari K. Jha	Do.	Kumargunge	1,100 0 0	
		Rahim Houshi	Do.	Katihar	300 0 0	
BHAGULPORE.	Maldah.	Bakuliah	Do.	Chaprahar	1,000 0 0	1,850 0 0
		Mir Ata Ali	Pucca well	Naupur	400 0 0	
		Sew Prasad Mandal	Do.	Kamrager	300 0 0	
		Kantoo Ram Kour	Do.	Kumta	250 0 0	
		Ganga Dyal Kulwar	Do.	Do.	250 0 0	
		Raj Saw	Do.	Nandanpur	300 0 0	
		Mahadev Mandal	Do.	Giridih	250 0 0	
		Dhauraj Singh	Do.	Khukha	500 0 0	
		Tulsi Ram Das	Reclamation of a tank	Namasbari	1,100 0 0	
		Gowri Kanta Sarkar	Tank	Mohaspore	750 0 0	
BHAGULPORE.	Sonthal Per- gunnahs.	Gopal Ghat	Tank	Rasulpore	1,000 0 0	27,425 0 0
		Museamat Mata Mandaline	Reclamation of a tank and construction of two pucca ghats.	Syalpur, Kumjab Joyrampore	600 0 0	
		TOTAL OF BHAGULPORE DIVISION				27,425 0 0
CHOTA-NAGPORE.	Hamirbagh.	Museamat Moolki Soordin	Pucca wall	Lanta village	250 0 0	1,512 0 0
		Surtoo Ram	Tank	Girdih ditto	600 0 0	
		Doorga Pershad, Manager	Road	From Mohunpore to Serampore.	412 0 0	
		Works costing less than Rs. 200.			250 0 0	
		Ramdhun Chowdhry	Tank	Tantulia of Modhooopore	700 0 0	
		Works costing less than Rs. 200.			400 0 0	
		Raja Ramchunder Deo	Tank	Phelphore village	875 0 0	
		Ditto	Do.	Purnaspur	725 0 0	
		Ditto	Do.	Karaditua	775 0 0	
		Ditto	Do.	Sarambad	900 0 0	
CHOTA-NAGPORE.	Singhoom.	Ditto	Do.	Janura	875 0 0	9,154 0 0
		Ditto	Do.	Uda	300 0 0	
		Ditto	Do.	Taxiade	650 0 0	
		Ditto	Do.	Mudhole	450 0 0	
		Ditto	Do.	Pawra	800 0 0	
		Ditto	Do.	Hartocpa	900 0 0	
		Ditto	Do.	Pipra	900 0 0	
		Ditto	Do.	Chota Banki	700 0 0	
		Ditto	Do.	Manikbora	600 0 0	
		Ditto	Do.	Chowrai	254 0 0	
CHOTA-NAGPORE.	Modhoo Munda.	Works costing less than Rs. 200.			125 0 0	11,708 0 0
		TOTAL OF CHOTA-NAGPORE DIVISION				11,708 0 0

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.
					Rs. A. P.	Rs. A. P.
Orissa.	Cuttack	Baboo Baidyanath Pundit Ray Bahadur.	Repairs to the old rest house at Dharma-sala.	Dharma-sala	2,800 0 0	
		Loknath Ram	Well	Cantonment Bazar, Town Cut-tack.	400 0 0	
		Doolooram Misser	Dharma-sala	Dolemoondi, Town Cuttack	300 0 0	3,500 0 0
	Pooree	Jagabandhu Navak	Tank	Jajhar Singha in Khorda	270 0 0	
		Works costing less than Rs. 200			230 0 0	400 0 0
	Balasore	Munshi Abdul Ganj	Kutcha road with 2 wooden bridges.	Bahord, pergunnah Ramdiar-gora.	500 0 0	
		Baboo Mathur Mohan Pari	Tank	Eram, pergunnah Aukarah	350 0 0	
		Raja Padmalal Bhunj	Ditto	Kanika	500 0 0	
		Baboo Ragnubar Das	Ditto	Jelloswarpur, pergunnah Kaj-mah.	250 0 0	1,500 0 0
	TOTAL OF ORISSA DIVISION					5,190 0 0

## SUMMARY.

						Rs. A. P.
Total of Burdwan	Division					29,076 0 0
Ditto Presidency	ditto					20,621 0 0
Ditto Rajshahye	ditto					53,016 0 0
Ditto Dacca	ditto					11,545 0 0
Ditto Chittagong	ditto					850 0 0
Ditto Patna	ditto					62,663 0 0
Ditto Bhagulpore	ditto					27,425 0 0
Ditto Chota Nagpore	ditto					11,706 0 0
Ditto Orissa	ditto					5,190 0 0
GRAND TOTAL OF DIVISIONS						2,17,142 0 0

REPORT ON THE STATE OF THE SALT MARKET FOR THE FIRST-  
QUARTER OF 1884-85.

No. 546B., dated Calcutta, the 15th August 1884.

From—C. E. BUCKLAND, Esq., Offg. Secretary to the Board of Revenue, L. P.,  
To—The Secretary to the Government of Bengal, Revenue Department.

I AM directed to submit the following report on the state of the salt market for the first quarter of 1884-85 comprising the months of April, May, and June 1884.

2. The quantity of salt of every description cleared during the quarter under report amounted to 24,78,324 maunds 18 seers 7 chittacks, against 23,42,974 maunds 26 seers 10 chittacks in the previous quarter and 21,35,695 maunds 23 seers 3 chittacks in the corresponding quarter of the previous year; and the net amount of duty levied thereon was Rs. 47,90,905-8, against Rs. 43,92,616 in the previous quarter and Rs. 40,95,697-8 in the corresponding quarter of the previous year.

3. The quantity of excise salt sold in the districts of Cuttack, Pooree, Balasore, and 24-Pergunnahs during the quarter under review from the stock of the different seasons' manufacture, and the quantity which remained in store at the close of the quarter, are shewn in Table I.

### TABLE I.

[illegible]



4. The above statement shows that the total sale of excise salt during the quarter under review amounted to 1,40,266 maunds 14 seers, against 1,32,116 maunds 22 seers in the previous quarter and 1,08,128 maunds 5 seers in the corresponding quarter of the previous year.

5. The subjoined Table II shews in comparison the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter under review and the corresponding quarters of the previous two years:—

TABLE II.

	1883-83.		1883-84.		1884-85.	
	First quarter.		First quarter.		First quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool punnah ... ..	23,29,773	14,75,184	15,61,198	16,07,654	19,37,610	17,90,698
Foreign kurkutch ... ..	1,09,476	8,60,366	2,35,070	2,37,860	2,66,960	3,86,867
Indian ditto ... ..	41,798	1,18,504	49,614	79,658	19,333	64,901
Total ... ..	24,81,047	19,53,054	18,45,877	19,25,339	21,14,113	22,42,466

6. The following are the details of the Indian kurkutch salt shewn in the above table:—

TABLE III.

	1883-83.		1883-84.		1884-85.	
	First quarter.		First quarter.		First quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay ... ..	41,798	1,18,504	49,614	79,658	19,333	64,901
Total ... ..	41,798	1,18,504	49,614	79,658	19,333	64,901

7. Table IV shews the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters.

TABLE IV.

WHERE STORED.		First quarter of 1883-84.	Second quarter of 1883-84.	Third quarter of 1883-84.	Fourth quarter of 1883-84.	First quarter of 1884-85.
		Mds.	Mds.	Mds.	Mds.	Mds.
Saltas Government saltahs ... ..		3,25,849	6,03,868	11,28,031	12,68,977	7,88,555
Chittagong ditto ditto ... ..		97,449	1,00,707	1,01,803	1,50,568	1,03,461
Bahar private ditto ... ..		259	.....	.....	.....	.....
Naraingunge ditto ditto ... ..		1,378	10,449	20,747	20,767	14,607
Total ... ..		3,64,934	7,23,423	12,50,581	14,40,312	8,77,623

8. The despatches of salt from Calcutta by water and the three railways passing the several salt pass stations into the interior of the country, both east

and west of the river Hooghly, during the quarter under review and the corresponding quarters of the previous two years, are shewn in Table V.

TABLE V.

PERIOD.	Via Balishall.	Via Bankrail.	Via Gowakhal.	Via Kidderpore.	Via Ballinghatta.	Via Institullah Ghat.	By the East Indian Railway.	By the East- ern Bengal and South- Eastern Rail- ways, or old Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
First quarter of 1883-84 ...	1,71,835	1,67,257	36,978	2,94,865	Canal closed	.....	9,01,100	2,71,869
Ditto of 1883-84 ...	1,63,839	1,65,621	37,351	1,90,056	2,39,348	.....	7,70,663	3,10,454
Ditto of 1884-85 ...	1,66,825	1,71,787	47,625	89,983	1,90,411	2,00,436	10,10,377	1,68,698

9. The quantity of salt despatched by the East Indian Railway to stations beyond Buxar during the quarter under review amounted to 86,727 maunds, as noted in the margin, against 56,682 maunds 20 seers in the previous quarter and 41,502 maunds 30 seers in the corresponding quarter of the previous year.

10. The shipments of Liverpool salt for the port of Calcutta, according to published market reports, were as follows :—

						Tons.
April	...	...	...	...	...	32,850
May	...	...	...	...	...	31,360
June	...	...	...	...	...	25,300
Total	...	...	...	...	...	89,510

No shipments were reported during the quarter under review for the port of Chittagong.

11. Table VI shows the market prices per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year.

TABLE VI.

DESCRIPTION OF SALT.	Prices on the 14th April.		Prices on the 30th April.		Prices on the 15th May.		Prices on the 31st May.		Prices on the 15th June.		Prices on the 30th June.	
	1883.	1884.	1883.	1884.	1883.	1884.	1883.	1884.	1883.	1884.	1883.	1884.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool pangah	67	67	66	64	66	66	66	61	68	68	68	68
French kurkutch	67	65	67	62	66	66	72	40	70	40	63	49
Jeddah	66	65	66	64	67	66	72	50	82	49	82	49
Bombay	60	55	60	60	60	60	90	75	105	70	105	70
Madras	71	68	71	...	71	...	71	...	71	...	71	...
Italian	67	66	67	63	66	65	73	49	70	49	68	49
Muscat	69	66	69	66	69	69	72	59	80	50	80	63
Ceylon	71	...	71	.....	71	...	71	...	71	...	71	...
Rock	115	120	115	120	115	120	115	120	115	120	115	120

12. The following table shews the quantities of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong, Naraingunge,

and Balasore during the quarter under review and the corresponding quarter of 1883-84:—

TABLE VII.

PORT.	DESCRIPTION OF SALT.	ADMITTED INTO BOND.		CLEARED.	
		First quarter of 1883-84.	First quarter of 1884-85.	First quarter of 1883-84.	First quarter of 1884-85.
		Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
	Liverpool punchah	.....	14,850 0 0	80,250 11 8	73,072 25 0
	Jeddah kurkutch	.....	.....	220 0 0	.....
Chittagong	Coylon	.....	.....	0 2 0	.....
	Madras	.....	.....	0 14 0	0 10 0
	Akyah	.....	.....	.....	0 19 0
Balasore	Madras	.....	.....	1,144 0 0	.....
Narasingpur	Liverpool punchah	22,274 0 0	.....	20,618 0 0	17,000 0 0
	Total	22,274 0 0	14,850 0 0	1,02,238 27 8	86,072 25 0

No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack and Pooree.

#### INTERNATIONAL EXHIBITION TO BE HELD AT BUDAPEST (HUNGARY) IN 1885.

Circular No. 94 Ex.

*Extract from the Proceedings of the Government of India in the Revenue and Agricultural Department (Museums and Exhibitions), under date Simla, the 6th August 1884.*

#### RESOLUTION.

READ the following:—

No. 201, dated Calcutta, the 16th July 1884.

From—The Acting Consul for Austria and Hungary,

To—The Secretary to the Government of India, Foreign Department.

ADVERTING to my official intimation ament the *General National Exhibition* to be held at *Budapest* (Hungary) in 1885, namely, No. 68, dated 5th March, and No. 102, dated 26th March, I have to-day the honour to transmit under cover a translation of a further communication received from the Imperial and Royal Austro-Hungarian Minister for Foreign Affairs, No. 2908—9, dated Vienna, 1st June, relative to concessions granted to intending foreign exhibitors in the charges for railway fare and sea transport, the latter on the part of the Austro-Hungarian Lloyds Steam Navigation Company and Hungarian Steam-ship Company "Adria."

#### TRANSLATION.

In continuation of the circular issued from this side, dated 5th February, as per No. 563—9, concerning the *Hungarian National Exhibition* to be held next year at *Budapest*, the Imperial and Royal Ministry for Foreign Affairs have the honour to acquaint the Imperial and Royal Mission, for intimation to the Imperial Indian Government, that the concessions in freight granted on the part of the railway and steam-ship companies on behalf of this undertaking consist in the following:—

#### A.—RAILWAYS.

1. The Austrian and Hungarian lines for *small parcels* for transport *inward* as well as *return* transport, francs 10<sup>xx</sup>. Austrian *Vaente* for each 100 kilograms and per kilomètre is charged as uniform rate, and to this is still to be added on each line a manipulation tax of francs 2<sup>xx</sup>. per 100 kilograms and 3 per cent. for transport duty.

With *wagon loads* for transport *inward* as well as *return* transport francs 18<sup>xx</sup>. as uniform rate per kilomètre is charged for each 100 kilograms according to actual weight per wagon, however, at least for 8,000 kilograms.

As with such wagon loads no manipulation tax has to be paid, the loading and unloading of goods has to be effected at the expense of the sender, respectively exhibitor.

The minimum amount of freight for each wagon load is fixed as francs 3<sup>xx</sup>. r., which minimum amount is even to be paid if, according to the freight rates granted for smaller quantities, a lower amount of freight should result.

Those goods of large dimensions entered as *return* goods are despatched per 100 kilograms and kilomètres at the uniform rate of freight of francs 32<sup>xx</sup>. with goods of larger dimensions entered in wagon loads, and if the rate is paid for per at least 8,000 kilograms, only francs 13<sup>xx</sup>. as uniform rate will be charged per 100 kilograms and kilomètres.

For the *return* transport those exhibition objects partake of this advantage only in case of their being unsold during the exhibition and destined to be returned to the original station of despatch.

These freight advantages count only up to the railway stations at Budapest.

For the transport of the exhibition objects from these railway stations to the exhibition grounds, on the eventually to be laid rails a moderate special rate will be charged according to local circumstances.

2. For the transport of the exhibition goods to Budapest the full rate of freight is charged according to tariff, where against the return transport of goods which remained unsold at the exhibition will be granted *freight free* on the same route on the part of the following lines:—

*In Germany.*

The Prussian State Lines.  
 „ Naddäbaut-German Railway.  
 „ Werra Line.  
 „ I.essen-Ludwig Line.  
 „ Main-Neckar Railway.  
 „ Netherland-Rhinish Railway.

*In Holland*

The Dutch Railway Company.

*In Russia.*

The Line Merko-Brest.  
 „ „ Orel Witelsk.  
 „ „ Dimoborg.

*In France.*

The Compagnie du Chemin de Fer du Nord.

*B.—Donan Steam-ship Transport.*

The Imperial and Royal first privileged Donan Steam-ship Company have granted for all exhibition goods, the transport of which is effected by the ships of the Company, a reduction in freight of 50 per cent.

*C.—Relative to Sea transport.*

The Hungarian Steam-ship Company “*Adria*” having granted to those exhibitors who ship their goods on board the vessels of the Company from the seaports—

Bordeaux,  
 Rouen,  
 Hans,  
 Dublin,  
 Glasgow,  
 Leith, and  
 Middlesborough,

a reduction of 25 per cent on the existing ruling rates of freight.

*D.—Provisional exemption from Duty.*

The Royal Hungarian Ministry for Finance have, vide Rescrist, dated 18th February 1884, No. 1569, granted provisional exemption from duty for all foreign goods arriving for the Budapest National Exhibition of 1885 up to their being transported back at the latter end of March 1886, and entrusted the Royal Hungarian Chief Custom House in Budapest with the pending manipulation of duty, according to Government procedure.

The Hungarian Ministry of Finance have further ruled that all Custom Houses of the Austro-Hungarian Custom territory are to direct all such goods on arrival for Custom House treatment untouched and unopened to the Royal Chief Custom House at Budapest.

By way of facilitating this procedure, it is at the same time permitted that the goods arriving from abroad are to be treated by the official deputed by the Chief Custom House in such a manner that this official may fill up the *Goods and Contents Sheets* arriving with the goods with the descriptions according to tariff and revision of the goods, and thus complete the duty manipulation on the basis of these thus completed goods sheets.

Furthermore, it has still been permitted by the Hungarian Ministry for Finance that with these exhibition goods, instead of the prescribed security in cash, the solvability of the National Exhibition Committee will be accepted as basis of the Government procedure.

*E.—The Return of Goods free of Duty.*

Of all goods sent for exhibition to Budapest, but having remained unsold, are to be transported back to their place of despatch, has thus far been granted by the German, Dutch, English, Italian, Belgian, French, and North American Governments.

Finally one is an exception, concession in freight held in prospective by the *Austro-Hungarian Lloyd*.

Vienna, 1st June 1884.

No. 2813I, dated Simla, the 24th July 1884.

Endorsed by the Foreign Department.

TRANSFERRED to the Revenue and Agricultural Department for disposal, in continuation of the endorsement from this office, No. 1255I, dated the 12th April 1884.

Government of Madras.  
 „ „ Bombay.  
 „ „ Bengal.  
 „ „ North Western Provinces & Oudh.  
 „ „ Punjab.  
 Chief Commissioner of the Central Provinces.  
 „ „ British Burma.  
 „ „ Assam.  
 Secretary for Berar to the Resident, Hyderabad.

ORDER.—Ordered that the above be published for general information in the *Supplement to the Gazette of India*; also that copies be forwarded to the several Local Governments and Administrations noted in the margin for publication in the *Local Gazette*.

J. HOLDENNESS,  
 Under-Secretary to the Govt. of India.

LIBERALITY OF SURGEON F. C. CHATTERJEE, M.B.

GENERAL DEPARTMENT.—EDUCATION.

*Darjeeling, the 30th August 1884.*

RESOLUTION.

READ—

A letter No. 5979, dated the 30th July 1884, from the Director of Public Instruction, regarding the foundation of a Medical Scholarship by Surgeon F. C. Chatterjee, M.B., Civil Surgeon of Prome in British Burmah.

Surgeon F. C. Chatterjee has offered to invest a sum of Rs. 5,000 in 4 per cent. Government securities for the foundation of a scholarship to be awarded to the best student in the Calcutta Medical College of native Indian extraction (Eurasians and Native Christians being excluded) in the subject of practical and theoretical histology, normal and morbid. The scholarship will be open to competition by fourth-year students, whether male or female, whose names are borne on the rolls of the College as regular matriculated students (casual students being excluded), and whose conduct is certified to be good. The examination of the candidates for the scholarship will be conducted each year by the Professor of Physiology after the University examinations are over.

2. The Lieutenant-Governor has much pleasure in accepting the offer, and desires that his thanks may be conveyed to Surgeon F. C. Chatterjee for his public spirit and liberality. Mr. Rivers Thompson also approves of the Fund being designated the "F. C. Chatterjee Scholarship Fund," and being administered by the Principal of the Medical College.

By order of the Lieutenant-Governor of Bengal,

A. P. MacDONNELL,

*Secretary to the Government of Bengal.*



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 30th August 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BARDWAN DIV.	1 Burdwan, Aug. 30 '84	1.70	Weather—generally cool and showery; sometimes hot in the sun. Rain still most insufficient. Prospects of paddy crop now distinctly unfavourable in several thanas, and nowhere good. Heavy rain urgently needed. Prices still 11 to 12 seers of good rice, and 13 to 14 of common rice, per rupee. Public health good.
	„ Cutwa „	0.41	
	„ Raneebunge „	0.19	
	2 Bankura, „ 30 „	0.66	
	„ Bishenpore „	1.62	Weather—hot and cloudy. Some rain fell during the week. Transplantation not going on satisfactorily everywhere. Much rain urgently required within the next fortnight. Prices in some places falling, and in others rising considerably. Prospects of crops getting critical in some places. Public health good.
	„ Mainna „	0.47	
	„ Khattara „	0.59	Weather—warm, with slight showers. Prospects of <i>aus</i> and <i>amra</i> crops unfavourable. In thana Nulharti failure of crop inevitable. Elsewhere prospects deteriorating for want of rain. Average price of rice 14 seers per rupee. General health fairly good.
	3 Boerhoom, „ 30 „	.80	
	„ Rampore Haut „	.12	
	4 Midnapore, „ 30 „	0.44	Weather—generally fine. Deficiency of rainfall injuring young paddy in many parts of district. Continuous heavy rain wanted. Prices not rising. Public health fair.
PRESIDENCY DIV.	5 Hooghly, „ 30 „	1.22	Weather—showery. Transplanting still going on, but more rain required all over district. Prices show a tendency to rise. Fever beginning to be prevalent.
	„ Jehannabad „	Not received.	
	„ Serampore „	3.16	
	6 Howrah, Sept. 1 „	1.89	Weather—heavy rain with intervals of sunshine. The recent rain has improved prospects of early paddy. More, however, urgently wanted for late variety, transplanting of which is delayed for want of sufficient water. Jute being cut and giving a good return. Sugarcane and vegetables flourishing.
	„ Ootcheriah „	1.89	
	<i>Central Districts.</i>		Weather—seasonable. Harvesting of <i>aus</i> paddy going on, with about 12-anna outturn. Jute-steepling also going on. Prospects of <i>amra</i> good. Public health generally good. Fever as usual in this season of the year reported from Barrackpore.
	7 24-Pergunnahs Sept. 1 '84	2.84	
	8 Nudda, Aug. 30 „	Nil	Weather—cloudy and rainy. More rain wanted in some parts of district for <i>amra</i> . <i>Aus</i> still being harvested. Fever on the increase.
	„ Koochta „	.35	
	„ Meherpore „	.90	Weather—seasonable. Harvesting of <i>aus</i> paddy commenced. Transplanting <i>amra</i> continues. Prospects of crops good. Public health fair.
	„ Choudanga „	.19	
	„ Ranaghat „	.70	Weather—cloudy, with light showers of rain. Harvesting of <i>aus</i> crop not yet finished. Prospects fair. More rain wanted for <i>amra</i> crop on high land. Public health good.
	9 Jessore, „ 30 „	0.69	
RAJSHAHY DIV.	10 Jhenida „ 30 „	0.85	Weather—hot. <i>Aus</i> being still cut. Transplanting of <i>amra</i> continues. Irrigation is being resorted to where practicable. Rain still wanted. Public health generally good.
	„ Magoorah „	0.7	
	„ Nurati „	.04	Weather—hot, with occasional rain. <i>Bhadai</i> being cut with a fair outturn. Jute and sugarcane doing well. In some parts of district rain still wanted for transplanting <i>amra</i> . Rice 13 to 16 seers per rupee.
	„ Bengong „	.65	
	11 Moorshedabad, „ 30 „	1.34	Weather—hot and cloudy. Transplanting of <i>amra</i> going on. The slight rain of the week has done some good to transplanting. Harvesting of <i>aus</i> continues. Other standing crops doing well. Malarious fever prevailing.
	„ Lalbagh „	1.26	
	„ Kandi „	0.28	Weather—some rain fell rendering atmosphere cool again. Rain, though insufficient, done much good, but transplanting of <i>amra</i> paddy undoubtedly backward still. If there be not heavy rain within a fortnight, <i>amra</i> crop will be a short one. Public health less good than usual at this season, fever being very prevalent.
	„ Jungipore „	0.25	
	12 Dinapore, Aug. 29 '84	1.57	Weather—hot. Prospects of crops good. More rain wanted. Public health good.
	13 Rajshahy, „ 30 „	.48	
RAJSHAHY DIV.	14 Nattore „	.45	Weather—wet. Prospects of food-grains good and tea fair.
	„ Nowgong „	.48	
	15 Rungpore „ 30 „	2.22	Weather—seasonable. Prospects of crops good throughout district. <i>Bhadai</i> being reaped. Public health good.
	„ Niphamari „	1.09	
	„ Kurgram „	.89	Weather—hot. Prospects of crops good. More rain wanted. Public health good.
	„ Gaibanda „	1.44	
	16 Bogra, „ 30 „	1.31	Weather—hot. Prospects of crops good. More rain wanted. Public health good.
	17 Pubna, „ 30 „	1.31	
	18 Darjeeling, „ 30 „	3.81	Weather—wet. Prospects of food-grains good and tea fair.
	19 Julpigorce, „ 30 „	13.87	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—contd.</b>			
<i>Eastern Districts.</i>			
<b>Dacca Divn.</b>	18 Dacca, Aug. 30 '84	1.31	Weather—seasonable. Cutting of early paddy nearly completed, that of jute continues. Damage is being apprehended to paddy crop owing to insufficient rain. <i>Amua</i> on high land in Manickgunge not promising. Public health generally good.
	Manickgunge ..	.15	
	Moonsheegunge ..	.76	
	19 Farreedpore, .. 30 ..	2.52	
	Goalundo ..	0.07	
<b>Chittagong Divn.</b>	Madaripore ..	0.76	Weather—sultry. State and prospects of <i>amua</i> paddy, sugarcane, &c., very satisfactory in the north and middle of district, and better again in the south. Most of <i>amua</i> has been cut, with generally good outturn. Jute has been a fine crop; steeping in progress. Rivers pretty high. Public health generally good.
	20 Backergunge, .. 28 ..	0.32	
	21 Mymensingh, .. 29 ..	3.72	Weather—cloudy. Reaping of <i>amua</i> paddy commenced. Transplanting of <i>amua</i> not yet finished. More rain needed. Fever still prevalent in some parts of the sub-division of Pirozepore. General health good.
	Jamulpore ..	.29	
	Kishoregunge ..	.42	Weather—cool, with frequent showers. Transplanting of <i>amua</i> paddy and cutting of jute continue. More rain wanted in parts of district.
	Attia ..	Nil	
	Netrokona ..	3.43	
	22 Chittagong, Sept. 1 '84	2.1	Weather—seasonable. Prospects of crops promising. Transplanting continues. Cattle-disease still reported. Prices stationary. General health good.
	23 Noakholly, Aug. 29 ..	2.72	
	Fenny (up to 28th Aug.)	1.79	Weather—warm and sultry. Reaping of <i>amua</i> crop nearly completed. Transplanting of <i>amua</i> continues. More rain wanted. Sporadic cases of cholera still reported.
	24 Tipperah, .. 29 ..	.66	
<b>Patna Divn.</b>	Brahmunberish ..	.79	Weather—generally sunny and sultry throughout the week, cloudy since last night. Prospects of crops doubtful. Transplanting retarded for want of sufficient rain. More rain wanted throughout district. Prices rising. Public health fair.
	Chandpore ..	.80	
	25 Chittagong Hill, .. 26 ..	2.20	Weather—unusually hot in the first part of the week. Fall of rain last evening lowered temperature. More rain wanted for plough-paddy. <i>Joom</i> paddy ripening in some parts of district. Prospects of cotton good.
	Tracts.		
<b>BEHAR.</b>	Hill Tipperah .. 27 ..	1.70	Weather—too dry for the season. More rain wanted. <i>Satya</i> paddy reaped with a fair outturn. <i>Amua</i> paddy being transplanted. <i>Joom</i> paddy commenced to be reaped. Prospects of other <i>joom</i> crops fair. Public health good.
	26 Patna, Aug. 30 '84	1.31	
	Behar ..	.07	Weather—hot and cloudy. Harvesting of <i>bhadoi</i> crops being pushed on. Transplanting of paddy continues in places in which there is sufficient water, but it has stopped for want of rain in places where irrigation is impracticable. With the exception of Barh, cholera still prevalent in other parts of district.
	Barh ..	Nil	
	Dinapore ..	0.28	
	27 Gya, .. 30 ..	0.25	Weather—very clear and showery. Transplanting of paddy very late, but made great progress during last fortnight. <i>Murua</i> very good. <i>Makoi</i> fair. Much land remains still unploughed. Young paddy looks well, but more rain wanted. Prices rising very slightly. Health fair.
	Jehanabad ..	0.08	
	28 Shahabad, .. 30 ..	.31	Weather—hot and occasionally cloudy. Prospects very uncertain dependent on further rain.
	Basseram ..	Nil	
	Buxar ..	.35	
	Rhubus ..	Nil	Weather—cloudy; sometimes rainy. East winds prevail. The rain facilitated somewhat transplanting of paddy crops, and also benefited other standing crops. Very much more rain yet required. Prices steady. Public health good.
	29 Darbhanga, .. 30 ..	2.76	
	Madhubani ..	3.88	
	Tajpur ..	1.72	Weather—cloudy, with signs of rain. A good shower fell on Tuesday last, which greatly benefited <i>bhadoi</i> crops and improved prospects of paddy. Transplanting of paddy going on in places, but more rain still wanted for the purpose. Prices of food-grains show tendency to fall. Public health good.
	30 Moraripore, .. 30 ..	2.47	
	31 Saran, .. 30 ..	1.19	Weather—hot, close, and occasionally cloudy. Rain general throughout district, but unequally distributed, and too light. Prospects of <i>bhadoi</i> crops generally favourable. <i>Murua</i> and <i>satya</i> paddy being harvested with fair outturn. Sugarcane doing well. Transplanting of paddy going on briskly, but more rain still required for transplanting on high lands. Manufacture of indigo (second cuttings) will shortly commence. Prices fairly steady. Sporadic cases of cholera reported.
	Bawan ..	.81	
	Gopalgunge ..	2.56	
<b>Bhagulpore Divn.</b>	32 Champaran .. 30 ..	5.37	Weather—cloudy. The rain which fell during the week in the Sudder sub-division has done much good to <i>bhadoi</i> crop and greatly facilitated transplanting of winter paddy. More rain required in the Bettiah sub-division. Public health on the whole good. A few cases of cholera and fever reported from the interior. Prices fallen slightly.
	33 Monghyr, Aug. 30 '84	1.58	
	Begusarai ..	.03	Weather—generally overcast; very hot during intervals of rain. <i>Bhadoi</i> generally estimated to be a sixteen-anna crop. Transplanting of paddy seedlings nearly completed. More rain wanted for <i>amua</i> paddy; but prospects so far good. Prices falling. Public health fair.
	34 Bhagulpore, .. 30 ..	.76	
	Boopole ..	1.84	<i>Bhadoi</i> harvest continues, and yields a fair outturn where cutting finished. Later <i>bhadoi</i> suffering from want of rain. There has not been sufficient rain for transplanting paddy; but there is still time for this. The <i>Changas</i> rose a good deal up to the beginning of the week and the floods have done much good; it has been falling again lately. Price of common rice from 12 to 14 seers per rupee. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR—concl.</b>			
Bhagpoor Div.—concl.	25 Purneah, Aug. 30 '84	2.51	Weather—showery. <i>Aghani</i> prospects improved in the north and a little in south. Heavy rain wanted. Health fair.
	Kisbongunge ..	5.48	
	Arrarrah ..	3.89	Weather—variable, hot, and cloudy. Prospects of <i>kaimasi</i> paddy in the Barindra, east of the river Mohananda not at present good for want of rain, west of the Mohananda harvests fair and prospects good. The tract has been sufficiently inundated there, and good <i>rubbee</i> crops expected next cold weather. Common rice selling at from 13 to 14 seers per rupee. General health good.
	26 Maklab, " 30 "	0.78	
Bhagpoor Div.—concl.	27 Sonthal Perga. " 30 "	.32	Rain holding off most persistently, though standing crops look well, except here and there where want of rain beginning to tell on paddy on high lands. Still very great anxiety is being felt throughout the district, and if rain continues to hold off, consequences will be very serious, and the present state of wells shows that there is great fear of a water famine also.
	Godda ..	.47	
	Rajmehal ..	1.57	
	Pakour ..	.67	
	Jamtara ..	.54	
<b>ORISSA.</b>			
Orissa Div.	38 Cuttack, Aug. 29 '84	1.73	Weather—warm and cloudy. <i>Beali</i> being cut. <i>Sarad</i> on low lands growing well; but that on high lands suffered a little for want of sufficient rain. Common rice selling at from 16 to 20 seers per rupee in town. Public health generally good.
	39 Pooree, " 28 "	2.08	
	Kucorda ..	3.00	Weather—cloudy with little rain. Weeding and transplanting of <i>sarad</i> paddy going on. Early paddy ( <i>beali</i> ) and <i>mandia</i> ripening. Prospects of crops on low lands decidedly improved. State of crops on high lands in some parts of the district not good. The rainfall of the week has done good to some extent to crops on the Chilka side. Miscellaneous crops doing well. Common rice selling at an average of 21 seers and 12 chittacks per rupee in the Sudder sub-division, and 22 seers 8 chittacks in the Kucorda sub-division. Cholera reported from a few villages in Banpore.
	40 Balasore " 29 "	1.09	Weather—cloudy, with prospects of rain. Weeding and transplanting going on. Prospects slightly improved in the Bhadrak sub-division by the rainfall of the week, but more still wanted. <i>Beali</i> crop being reaped at places. Public health generally good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
	41 Hazaribagh Aug. 29 '84	0.53	Prospects of <i>khadoi</i> good. Transplanting of paddy going on slowly for want of sufficient rain. Price stationary. Cholera still continues in many places. Small-pox abated; otherwise public health good.
	42 Jharkdugga, " 30 "	1.20	Weather—more sunshine than rain. Very little rain fell during the week, and some crops on high lands in the head-quarters show signs of suffering. In Palamow prospects of crops continue excellent in spite of dry weather. Rain urgently wanted. Sky to-day overcast and threatening rain. Prices in the head-quarters sub-division rising; rice sold in Ranchi at 13 seers per rupee against 16 seers last week. Cholera in two villages near Ranchi and in Hosonabad (Palamow). Public health otherwise good.
	Palamow (20th to 25th August.)	.49	
	43 Singhbhum, " 29 "	0.18	Weather—bright and hot, with little or no rain during the week. Paddy on high lands suffering from want of rain. All other crops are so far doing well. Indian-corn yielded a full crop, and <i>gora</i> , or early, paddy on high lands yielding fairly. Public health and condition of cattle good.
	44 Manbhum, " 30 "	0.56	Weather—generally fine, and most unusually dry, but not very hot. Indian-corn and other autumn crops being gathered with a good outturn. The unseasonably dry weather causes some anxiety for winter paddy. Transplanting finished or nearly so; but for want of rain the area transplanted is less than usual. Coarse rice sold on the 30th August in Purnia market at 18½ seers per rupee. Cattle-disease reported from everywhere, and small-pox from unfossil only.
	Gowindpore ..	0.20	
	Barabazar ..	Nil	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 2nd September 1884

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

## Meteorological Report of the Province of Bengal.

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature.	Variation from normal mean of week.	Mean 10 A.M. temperature.	Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.
Orissa.	Poorce	Gopalpore	29.023	29.073	—	Calm	271	86.0	79.8	85.7	81.0	83.4	—	83.7	82	6.4
	False Point	False Point	29.076	29.097	—0.021	SE	240	88.5	77.1	87.5	78.7	83.1	—0.2	84.6	78	7.5
	Cuttack	Cuttack	29.002	29.083	—0.081	SW	61	91.6	77.9	90.5	79.7	84.4	+0.5	86.1	73	7.8
	Balasore	Balasore	29.030	29.095	—	SE	81	88.2	77.7	87.6	78.5	83.1	—	85.8	70	6.1
SOUTH-WEST BENGAL.	South-West Midnapore	Sanger Island	29.050	29.712	—0.015	NE	298	80.7	79.5	80.3	80.0	84.7	+1.2	86.3	82	7.7
	South 24-Pergunnas	Midnapore	29.354	29.769	—	SE	113.8	90.3	77.3	89.9	78.1	83.5	—	86.7	78	6.3
	24-Pergunnas	Calcutta	29.643	29.715	—0.072	NE	96	89.5	77.7	87.8	78.2	83.0	+0.3	84.7	80	7.9
	Howrah	Howrah	29.622	29.722	—0.099	ESE	79	91.6	78.4	90.1	78.8	84.5	+0.4	86.1	80	8.3
SOUTH-WEST BENGAL.	Burdwan	Burdwan	29.622	29.722	—0.099	ESE	79	91.6	78.4	90.1	78.8	84.5	+0.4	86.1	80	8.3
	Bankura	Bankura	29.381	—	—	SE	114.1	90.5	77.3	89.9	78.1	84.0	—	84.7	79	7.0
	Beerbhoom	Beerbhoom	29.663	29.729	+0.066	S	87.6	91.7	77.3	90.5	78.5	84.5	+0.2	85.2	78	9.1
	Moorsheebad	Moorsheebad	29.663	29.729	+0.066	S	87.6	91.7	77.3	90.5	78.5	84.5	+0.2	85.2	78	9.1
SOUTH-WEST BENGAL.	Nuddea	Nuddea	Observatory not started.													
	Jessore	Jessore	29.704	29.736	+0.032	S	110	91.8	78.1	90.9	78.8	84.4	+0.5	85.8	79	8.7
	Khoolna	Khoolna	29.718	29.807	+0.089	SE	127	88.6	75.6	86.7	76.1	81.4	—0.1	83.6	80	6.3
	Chittagong	Chittagong	29.718	29.807	+0.089	SE	127	88.6	75.6	86.7	76.1	81.4	—0.1	83.6	80	6.3
SOUTH-WEST BENGAL.	Chittagong Hill Tracts	Demakiri	Observatory not started.													
	Backergunge	Backergunge	29.711	—	—	SSE	110.5	80.1	72.4	84.9	76.6	80.6	—	82.7	84	7.6
	Noakhali	Noakhali	29.755	29.799	—	SSE	135.1	87.9	75.0	86.0	78.0	82.0	—	85.0	84	7.0
	Farrakka	Farrakka	29.724	—	—	SE	103.5	80.6	76.9	88.2	78.6	83.4	—	85.9	82	6.6
SOUTH-WEST BENGAL.	Dacca	Dacca	29.741	29.764	+0.023	SSE	147	90.8	76.7	89.7	78.6	84.3	+0.9	86.1	80	8.1
	Comilla	Comilla	29.790	29.770	—	SE	95.7	89.4	74.8	87.0	77.0	82.0	—	81.4	80	6.7
	Mymensingh	Mymensingh	29.604	—	—	SE	129.9	89.3	76.6	87.8	77.2	82.5	—	83.6	84	9.1
	Bogra and Pabna	Serajpore	29.703	29.749	—	SE	100.4	85.7	74.7	87.7	77.8	82.8	—	83.9	84	8.9
SOUTH-WEST BENGAL.	Rajshahi	Rajshahi	29.645	29.717	—	SE	180.8	90.1	77.0	88.9	77.0	82.8	—	85.6	77	4.9
	Dinapore	Dinapore	29.559	29.709	—	SE	107.9	91.6	70.1	89.3	78.2	83.7	—	83.0	82	6.7
	Rangpore	Rangpore	29.624	29.749	—	SE	83	91.6	73.0	89.6	77.5	83.1	—	83.0	84	6.1
	Jalpaiguri	Jalpaiguri	29.400	29.756	—	E	103.2	90.0	74.1	88.8	77.4	82.1	—	79.5	90	7.0
SOUTH-WEST BENGAL.	Cooch Behar	Cooch Behar	29.400	29.756	—	E	103.2	90.0	74.1	88.8	77.4	82.1	—	79.5	90	7.0
	Darjeeling Hill District	Darjeeling	29.900	—	—	Calm	160.6	87.6	84.1	84.0	80.8	82.0	—	80.8	95	9.7
	Purneah	Purneah	29.594	29.710	+0.016	E	81	92.2	74.9	90.5	76.2	83.4	—1.2	84.3	87	9.3
	North Bhagulpore	North Bhagulpore	29.519	—	—	ESE	—	93.6	72.0	91.7	77.3	86.5	—	80.8	—	6.1
SOUTH-WEST BENGAL.	Moosherpore	Moosherpore	29.546	29.713	+0.017	ESE & ENE	117	93.6	74.5	91.0	78.0	84.8	+0.5	83.9	80	6.0
	Darbhanga	Darbhanga	29.600	29.687	—	ESE	186.8	94.1	70.8	91.2	77.0	83.1	—	83.9	77	6.2
	Chumpran	Chumpran	29.403	—	—	E	60.3	94.0	75.0	91.6	78.5	85.1	—	87.0	76	4.7
	Dehree	Dehree	29.395	29.650	—	ESE	210.5	91.0	80.0	89.3	80.6	85.0	—	87.4	73	6.0
SOUTH-WEST BENGAL.	Shahabad	Shahabad	29.433	29.674	—	E	131.0	92.9	75.3	89.4	78.9	84.2	—	83.3	76	6.5
	Arrah	Arrah	29.602	29.655	—	ESE	99.9	94.4	76.0	91.8	80.0	86.0	—	87.1	70	5.6
	Gya	Gya	29.274	29.610	—	E	—	95.3	77.5	91.3	74.1	86.2	+1.0	89.7	67	6.3
	Patna	Patna	29.500	29.601	—0.101	NE	164	93.9	78.1	91.2	81.1	86.2	+1.0	86.0	78	6.3
SOUTH-WEST BENGAL.	South Bhagulpore	South Bhagulpore	29.529	29.601	—	ESE	64.7	92.4	78.0	90.9	78.0	84.0	—	86.3	74	3.6
	Monrovia	Monrovia	29.529	29.601	—	ESE	64.7	92.4	78.0	90.9	78.0	84.0	—	86.3	74	3.6
	South 24-Pergunnas	South 24-Pergunnas	29.529	29.601	—	SE	137	89.6	76.7	89.7	77.1	82.0	—	84.0	84	4.7
	Hazratnagar	Hazratnagar	27.086	29.089	—0.007	ESE	182	87.6	74.6	86.2	74.8	80.0	+1.4	80.3	77	9.1
SOUTH-WEST BENGAL.	Louisa	Louisa	27.079	29.091	—	—	—	85.7	71.9	84.2	73.6	79.5	—	76.4	81	7.1
	Amritnagar	Amritnagar	29.012	—	—	ESE	31.9	90.0	76.3	86.6	76.0	82.7	—	83.4	75	7.9

Representation. — Numbers. — The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same time. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means are the arithmetical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions from the interest (i.e.) the total rainfall at the sub-divisions stations in the district sending in returns, divided by the number of stations. A rainy

for the week ending Friday, the 29th August 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	CLIMATOLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 1st of May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
0.93	—	—	—	—	—	—	—	—	—	—	Gopalpora	...	UNDA.
0.85	1.08	2.27	7.96	11.87	+4.91	29.03	30.00	+0.97	5.3	3.0	False Point	...	
1.81	1.15	2.10	9.55	10.97	+1.42	29.94	35.05	+5.14	3.5	3.0	Cuttack	...	
1.7	1.49	1.08	7.87	11.18	+3.31	35.05	35.22	+0.17	5.0	3.7	Balsore	...	
0.64	1.71	2.09	8.02	13.61	+5.59	40.88	41.25	+0.37	5.0	4.1	Saugor Island	South-West Midnapore	SOUTH-WEST BENGAL.
0.88	1.20	2.45	6.03	12.71	+6.68	30.08	30.58	+0.50	5.0	3.5	Midnapore	South 24-Pergunnas	
1.85	1.00	1.91	9.24	11.90	+2.66	31.65	37.31	+5.66	5.1	4.4	Calcutta	24-Pergunnas	
1.40	1.19	2.03	6.22	11.03	+4.81	24.57	33.42	+8.85	4.0	3.8	Burdwan	Howrah	
0.67	0.73	2.40	8.33	12.39	+4.06	23.04	37.76	+14.72	3.1	4.1	Ranigunge	Burdwan	SOUTH-WEST BENGAL.
1.30	0.79	2.40	6.37	11.24	+4.87	24.25	34.14	+9.89	2.6	3.7	Herampur	Bankura	
0.87	0.87	2.30	5.47	11.90	+6.43	24.43	35.93	+11.50	2.3	3.6	...	Bardhaman	
0.74	0.69	1.07	6.31	11.56	+5.25	33.87	39.01	+5.14	3.7	3.7	Jessore	West Burdwan	
1.22	2.73	3.60	15.33	21.24	+5.91	74.01	89.73	+15.72	5.0	4.4	Chittagong	Jessore	SOUTH-WEST BENGAL.
1.04	1.04	3.46	9.16	18.00	+8.84	43.91	61.93	+18.02	4.0	5.1	Demagiri	Chittagong Hill Tracts	
1.76	2.52	3.46	9.16	14.80	+5.64	50.92	57.02	+6.10	4.3	4.0	Barisal	Barisal	
3.39	4.20	3.50	14.89	23.51	+8.62	62.94	82.07	+19.13	4.0	5.0	Noakhali	Noakhali	
2.07	2.03	2.17	7.13	11.17	+4.04	50.74	40.97	-9.77	5.3	4.4	Furriedpore	Furriedpore	SOUTH-WEST BENGAL.
0.85	1.51	1.94	6.21	12.16	+5.95	34.08	43.02	+8.94	4.0	3.7	Dacca	Dacca	
4.40	2.76	2.79	8.07	18.75	+10.68	43.24	52.06	+8.82	4.3	4.7	Comutillah	Comutillah	
3.30	1.80	3.31	6.00	12.07	+6.07	37.17	44.70	+7.53	5.0	4.4	Mymensingh	Mymensingh	
1.89	1.15	3.02	4.91	11.50	+6.59	27.83	39.71	+11.88	3.2	3.7	Serajung	Bogra and Pabna	SOUTH-WEST BENGAL.
0.60	0.90	2.43	4.92	10.70	+5.78	24.96	35.05	+10.09	3.3	4.2	Rampur Bantala	Rajshahi	
1.13	0.40	3.09	5.99	11.71	+5.72	30.36	41.02	+10.66	4.3	4.3	Dunagore	Dunagore	
2.17	2.67	3.39	7.01	12.02	+5.01	38.57	44.73	+6.16	3.5	3.5	Rungpore	Rungpore	
13.26	12.80	5.20	23.01	21.70	+1.31	78.25	82.31	+4.06	5.4	4.1	Jalpaiguri	Jalpaiguri	SOUTH-WEST BENGAL.
4.11	9.27	5.88	28.20	30.95	+2.75	95.31	110.44	+15.13	7.0	5.3	Darjeeling	Darjeeling Hill Districts	
2.52	3.11	2.70	9.12	12.27	+3.15	33.88	40.33	+6.45	4.0	3.5	Purneah	Purneah	
2.74	2.33	1.94	5.74	9.54	+3.80	21.74	29.05	+7.31	2.0	3.1	Burhanpur	North Burhanpur	
2.76	3.58	1.77	8.10	9.78	+1.68	29.16	30.92	+1.76	3.5	2.8	Motihari	Motihari	SOUTH-WEST BENGAL.
1.04	1.04	2.10	7.87	9.16	+1.29	29.92	28.53	-1.39	3.5	3.4	Chupra	Chupra	
Nil	—	—	—	—	—	—	—	—	—	—	Deoria	Deoria	
0.45	0.23	2.08	8.28	10.16	+1.88	19.14	23.34	+4.20	1.3	3.1	Siwan	Siwan	
0.15	—	—	—	—	—	—	—	—	—	—	Arria	Arria	SOUTH-WEST BENGAL.
0.70	0.31	2.07	9.46	10.50	+1.04	20.02	20.11	+0.09	0.8	2.0	Patna	Patna	
1.31	0.64	2.05	7.30	9.63	+2.33	20.12	23.34	+3.22	1.8	3.0	Bankipore	Bankipore	
0.70	0.24	2.02	7.39	10.37	+2.98	22.80	30.00	+7.20	1.4	3.7	Bankipore	South Bankipore	
0.40	0.64	2.21	8.50	10.16	+1.66	22.01	35.05	+13.04	1.3	3.0	Bankipore	South Bankipore	SOUTH-WEST BENGAL.
0.30	0.23	2.09	8.83	11.50	+2.67	22.64	31.50	+8.86	2.0	4.1	Bankipore	Bankipore	
1.22	0.20	2.07	8.18	12.16	+3.98	28.86	30.05	+1.19	3.8	4.2	Bankipore	Bankipore	
0.12	0.22	2.10	7.31	13.31	+6.00	20.87	30.02	+9.15	3.0	4.1	Bankipore	Bankipore	

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" are the means for the district during the past 12 years. The means for the district are the numerical average of the rainfall returns received day by day on which at least an hundredth of an inch fell.



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th August 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rainfall from 1st to 29th August 1884.	Average total rainfall from 1st to 29th August.	Total rainfall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 23rd August.	Sunday, 24th August.	Monday, 25th August.	Tuesday, 26th August.	Wednesday, 27th August.	Thursday, 28th August.	Friday, 29th August.	Number of rainy days.	of Rainfall week.				
ORTHER.	Pooree	Pooree	0.71	0.11	0.09	0.31	0.34	0.17	0.27	5	1.80	6.65	9.81	22.27	20.77
		Khurdah	0.02	0.11	0.09	0.08	0.41	0.48	0.38	7	2.43	10.22	11.5	32.35	33.25
		Banpur	0.24	0.16	0.09	0.15	1.11	0.08	0.20	5	1.84	6.25	11.27	30.77	33.01
		False Point	0.43	0.39	0.09	0.09	0.20	0.10	0.10	5	0.77	7.39	14.60	23.05	41.38
	Cutlack	Jagatsingpore	0.32	0.09	0.34	0.34	0.05	0.10	0.10	5	0.89	10.30	10.67	29.41	29.41
		Banki	0.35	1.18	0.35	0.3	0.05	0.10	0.10	5	0.89	10.30	11.15	34.03	33.70
		Cuttack	0.30	0.05	0.30	0.30	0.10	0.05	0.10	5	0.89	12.30	12.43	29.41	29.76
		Kondrapara	0.30	0.05	0.30	0.34	0.12	0.10	0.10	5	1.14	7.34	9.77	24.94	26.30
	Malasore	Jajpore	0.30	0.05	0.30	0.34	0.12	0.10	0.10	5	1.14	7.34	9.77	24.94	26.30
		Chandball	0.08	0.08	0.08	0.08	0.12	0.12	1.37	5	1.07	10.01	10.09	29.15	28.79
		Rudurnuck	0.41	0.12	1.12	0.08	0.21	0.21	0.10	5	2.01	8.99	10.12	29.05	31.53
		Sorah	0.15	0.16	0.16	0.25	0.15	0.15	0.10	5	0.71	4.41	11.17	24.15	33.40
SOUTH-WEST BENGAL.	Midnapore	Malasore	0.15	0.05	0.10	0.35	0.15	0.15	0.10	5	1.03	11.14	11.93	49.08	49.08
		Jullasore	0.15	0.05	0.10	0.35	0.15	0.15	0.10	5	1.03	11.14	11.93	49.08	49.08
		Burghadah	0.20	0.13	0.35	0.35	0.25	0.25	0.24	6	1.90	9.30	11.43	26.81	28.43
		Contal	0.08	0.08	0.23	0.23	0.25	0.25	0.10	4	1.00	8.20	12.44	27.90	40.31
	24-Pergunnah.	Sagar Island	0.11	0.11	0.19	0.21	0.18	0.18	0.10	5	1.48	4.78	14.72	42.14	49.15
		Tamluk	0.11	0.11	0.19	0.21	0.18	0.18	0.10	5	1.48	4.78	14.72	42.14	49.15
		Tamluk	0.11	0.11	0.19	0.21	0.18	0.18	0.10	5	1.48	4.78	14.72	42.14	49.15
		Chinnai	0.11	0.11	0.19	0.21	0.18	0.18	0.10	5	1.48	4.78	14.72	42.14	49.15
	Howrah	Diamond Harbour	0.41	0.13	0.45	0.17	0.29	0.31	1.03	6	2.61	11.05	13.28	43.10	40.38
		Alipore Jail	0.15	0.13	0.15	0.12	0.18	0.20	0.05	7	1.68	5.01	12.45	31.71	30.31
		Barrackpore	0.15	0.13	0.15	0.12	0.18	0.20	0.05	7	1.68	5.01	12.45	31.71	30.31
		Dum-Dum	0.07	0.20	0.08	0.10	0.22	0.15	0.15	6	0.91	0.35	11.40	31.53	37.21
EAST BENGAL.	Hooghly	Baran	0.05	0.13	0.05	0.05	0.05	0.05	0.05	4	1.41	1.41	11.14	24.01	25.05
		Buadhat	0.05	0.13	0.05	0.05	0.05	0.05	0.05	4	1.41	1.41	11.14	24.01	25.05
		Howrah	0.21	0.20	0.02	0.02	0.02	0.02	0.02	7	1.30	7.01	11.87	27.92	27.31
		Howrah	0.32	0.12	0.02	0.02	0.02	0.02	0.02	7	1.30	7.01	11.87	27.92	27.31
	Hooghly	Howrah	0.12	0.78	0.08	0.15	0.05	1.00	0.05	6	2.72	11.34	11.15	40.24	35.93
		Hooghly	0.10	0.11	0.11	0.11	0.11	0.11	0.11	5	1.2	10.37	11.15	31.67	31.67
		Jehanabad	0.21	0.18	0.18	0.18	0.18	0.32	0.10	4	0.81	5.60	14.24	27.92	29.30
		Jehanabad	0.21	0.18	0.18	0.18	0.18	0.32	0.10	4	0.81	5.60	14.24	27.92	29.30
	Burdwan	Burdwan	0.24	0.28	0.02	0.14	0.31	0.35	0.12	6	1.76	8.22	12.11	31.41	34.00
		Cowa	0.24	0.28	0.02	0.14	0.31	0.35	0.12	6	1.76	8.22	12.11	31.41	34.00
		Raneegunge	0.24	0.28	0.02	0.14	0.31	0.35	0.12	6	1.76	8.22	12.11	31.41	34.00
		Raneegunge	0.24	0.28	0.02	0.14	0.31	0.35	0.12	6	1.76	8.22	12.11	31.41	34.00
SOUTH-WEST BENGAL.	Bankura	Bankura	0.05	0.22	0.12	0.09	0.05	0.15	0.15	6	0.90	7.45	12.72	30.66	30.70
		Bahenpore	0.05	0.22	0.12	0.09	0.05	0.15	0.15	6	0.90	7.45	12.72	30.66	30.70
		Malters	0.11	0.12	0.12	0.12	0.12	0.12	0.12	5	0.50	6.30	11.92	27.83	27.83
		Khatra	0.11	0.12	0.12	0.12	0.12	0.12	0.12	5	0.50	6.30	11.92	27.83	27.83
	Bardhaman	Rh. Scory	0.04	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Netampore	0.04	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Netampore	0.04	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Netampore	0.04	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
	Nadua	Bongone	0.05	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Ranchhat	0.05	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Ranchhat	0.05	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
		Ranchhat	0.05	0.22	0.22	0.22	0.47	0.47	0.47	4	0.80	10.91	13.40	29.12	29.12
EAST BENGAL.	Koocha	Sakura	0.75	0.12	0.02	0.06	0.04	0.05	0.05	7	1.89	7.39	11.54	37.18	39.29
		Bachhat	0.15	0.12	0.02	0.06	0.04	0.05	0.05	7	1.89	7.39	11.54	37.18	39.29
		Koocha	0.08	0.12	0.02	0.06	0.04	0.05	0.05	7	1.89	7.39	11.54	37.18	39.29
		Koocha	0.08	0.12	0.02	0.06	0.04	0.05	0.05	7	1.89	7.39	11.54	37.18	39.29
	Jangore	Narail	0.01	0.03	0.03	0.03	0.03	0.13	0.13	1	0.04	4.32	10.70	21.31	25.44
		Jangore	0.01	0.03	0.03	0.03	0.03	0.13	0.13	1	0.04	4.32	10.70	21.31	25.44
		Jangore	0.01	0.03	0.03	0.03	0.03	0.13	0.13	1	0.04	4.32	10.70	21.31	25.44
		Jangore	0.01	0.03	0.03	0.03	0.03	0.13	0.13	1	0.04	4.32	10.70	21.31	25.44
	Mooredahad	Kandi	0.07	0.10	0.10	0.10	0.09	0.09	0.09	5	0.30	5.91	11.41	22.70	25.17
		Bamposi Har	0.06	0.10	0.10	0.10	0.09	0.09	0.09	5	0.30	5.91	11.41	22.70	25.17
		Bamposi Har	0.06	0.10	0.10	0.10	0.09	0.09	0.09	5	0.30	5.91	11.41	22.70	25.17
		Bamposi Har	0.06	0.10	0.10	0.10	0.09	0.09	0.09	5	0.30	5.91	11.41	22.70	25.17
EAST BENGAL.	Chittagong	Chittagong	0.03	0.16	0.16	0.36	0.36	0.36	0.36	6	1.94	9.15	18.50	41.91	41.91
		Chittagong	0.03	0.16	0.16	0.36	0.36	0.36	0.36	6	1.94	9.15	18.50	41.91	41.91
		Chittagong	0.03	0.16	0.16	0.36	0.36	0.36	0.36	6	1.94	9.15	18.50	41.91	41.91
		Chittagong	0.03	0.16	0.16	0.36	0.36	0.36	0.36	6	1.94	9.15	18.50	41.91	41.91
	Bachargunge	Patuakhali	0.30	0.10	0.10	0.10	0.10	0.10	0.10	5	0.30	10.40	10.75	23.00	23.00
		Patuakhali	0.30	0.10	0.10	0.10	0.10	0.10	0.10	5	0.30	10.40	10.75	23.00	23.00
		Patuakhali	0.30	0.10	0.10	0.10	0.10	0.10	0.10	5	0.30	10.40	10.75	23.00	23.00
		Patuakhali	0.30	0.10	0.10	0.10	0.10	0.10	0.10	5	0.30	10.40	10.75	23.00	23.00
	Noakhali	Noakhali	0.11	0.12	0.12	0.12	0.03	0.03	0.03	5	0.47	16.04	23.79	51.00	51.00
		Noakhali	0.11	0.12	0.12	0.12	0.03	0.03	0.03	5	0.47	16.04	23.79	51.00	51.00
		Noakhali	0.11	0.12	0.12	0.12	0.03	0.03	0.03	5	0.47	16.04	23.79	51.00	51.00
		Noakhali	0.11	0.12	0.12	0.12	0.03	0.03	0.03	5	0.47	16.04	23.79	51.00	51.00
EAST BENGAL.	Faridpur	Faridpur	0.27	0.35	0.35	0.35	0.35	0.35	0.35	5	0.97	8.79	12.90	24.75	24.75
		Faridpur	0.27	0.35	0.35	0.35	0.35	0.35	0.35	5	0.97	8.79	12.90	24.75	24.75
		Faridpur	0.27	0.35	0.35	0.35	0.35	0.35	0.35	5	0.97	8.79	12.90	24.75	24.75
		Faridpur	0.27	0.35	0.35	0.35	0.35	0.35	0.35	5	0.97	8.79	12.90	24.75	24.75
	Ono	Ono	0.20	0.12	0.12	0.12	0.12	0.12	0.12	5	1.31	11.19	14.15	37.66	37.66
		Ono	0.20	0.12	0.12	0.12	0.12	0.12	0.12	5	1.31	11.19	14.15	37.66	37.66
		Ono</													

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th August 1884—continued.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall from 1st to 29th August 1884.	Average total rain-fall from 1st to 29th August.	Total rain-fall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 23rd August.	Sunday, 24th August.	Monday, 25th August.	Tuesday, 26th August.	Wednesday, 27th August.	Thursday, 28th August.	Friday, 29th August.	Number of rainy days.	of Rainfall week.				
NORTH-BENGAL.	Pabna	Pabna	.....	.....	.....	.....	1.08	.....	0.13	2	1.21	6.17	12.90	28.02	57.07
		Sherpore	.....	.....	.....	.....	0.42	0.90	.....	2	1.31	6.25	11.95	24.99	7.90
	Bogra	Sherpore	.....	.....	.....	.....	0.60	0.50	.....	2	1.10	3.48	13.07	24.85	45.15
		Nowshila	.....	0.60	.....	.....	0.04	0.31	0.04	4	0.99	3.73	10.54	31.02	37.04
	Rajshahi	Bogra	.....	0.16	.....	.....	0.06	0.41	0.03	3	1.10	3.15	12.24	31.01	41.04
		Panchbibi	.....	.....	.....	.....	.....	1.59	0.11	2	1.70	6.79	10.54	30.17	28.03
	Maldah	Benulab	.....	.....	0.38	0.05	.....	0.07	.....	3	0.48	5.55	11.95	23.04	30.31
		Nattong	.....	.....	.....	.....	.....	0.45	1.00	2	1.45	5.11	11.11	25.41	37.46
	Dinapore	Nowrang	.....	.....	.....	.....	.....	0.45	0.43	2	0.88	4.50	?	35.49	?
		Maldah	.....	.....	0.09	0.10	0.07	0.07	0.05	5	0.78	5.03	0.21	24.81	30.05
	Rangpur	Mohadevpore	.....	.....	0.11	0.02	0.15	0.05	.....	4	0.93	4.55	15.79	23.80	45.10
		Churnan	.....	.....	0.04	.....	.....	.....	.....	4	0.06	7.13	8.96	3.93	32.74
	Jaipur	Rangpur	.....	.....	0.04	.....	.....	.....	.....	4	0.06	7.13	10.30	3.93	30.44
		Dinapore	0.15	0.04	0.12	0.11	0.04	0.45	0.01	7	1.58	6.24	11.25	22.27	60.77
	Cooch Behar	Haldighat	0.12	.....	0.24	0.43	0.20	0.20	0.04	5	1.58	2.97	?	32.11	?
		Bhowanigunge (Gyabandha)	.....	.....	0.54	0.00	0.24	0.20	.....	4	1.88	2.90	10.89	30.70	64.27
	Jaipur	Rangpur	.....	.....	0.51	0.21	1.39	0.05	0.01	5	2.23	0.75	10.83	43.49	83.51
		Kutubpur	.....	.....	.....	.....	.....	.....	.....	5	5.07	8.20	8.20	34.40	54.50
	Jalpaiguri	Rangpur	.....	.....	0.38	0.11	0.09	.....	.....	3	1.59	4.18	17.40	50.74	67.36
		(Nulphamari)	.....	.....	.....	.....	.....	.....	.....	3	1.59	4.18	17.40	50.74	67.36
	Cooch Behar	Jalpaiguri	0.36	0.05	7.92	0.81	0.01	1.97	1.02	7	13.87	49.62	22.07	90.44	83.38
		Dinhat	.....	.....	0.73	4.18	2.29	1.00	0.05	6	9.15	10.88	17.01	65.02	80.51
	Darjeeling Hill.	Cooch Behar	0.25	1.35	3.18	3.75	4.32	0.58	4.00	15	11.11	20.65	22.20	87.77	87.59
		Meckhazunge	0.57	0.12	5.06	3.43	1.41	0.11	5.23	14	14.03	21.07	21.35	60.41	50.04
	Darjeeling Hill.	Maulabanka	0.19	0.16	1.82	3.15	2.13	0.50	2.82	7	10.23	10.78	25.05	68.68	90.23
		Boza	.....	.....	0.92	1.40	7.70	0.11	0.15	7	14.91	34.88	38.79	115.61	140.06
	North-BENGAL.	Siliguri	.....	.....	0.05	0.10	0.21	0.74	0.21	6	0.27	1.23	1.13	?	?
		Kamrup	.....	.....	0.24	0.09	0.07	0.07	0.07	7	0.27	1.23	1.13	?	?
	Purnea	Kamrup	.....	.....	0.16	0.24	0.06	0.06	.....	5	0.50	12.10	?	30.14	?
		Kamrup	.....	.....	0.05	0.45	0.21	3.92	0.17	6	0.78	14.14	10.25	51.05	68.28
	North Bhagulpore.	Arrah	.....	.....	1.90	0.50	0.50	0.46	0.50	6	4.50	12.67	11.79	41.22	61.00
		Purnea	.....	.....	0.50	0.01	1.30	0.07	0.51	6	2.81	7.45	12.88	32.48	80.87
	Durbhanga	Maddapore	.....	.....	.....	.....	0.11	0.54	.....	3	0.81	1.54	1.54	24.41	34.41
		Seepool	.....	.....	.....	.....	0.85	1.01	0.16	3	0.81	1.54	1.54	24.41	34.41
	Mouzerpore	Tajpore	.....	.....	.....	.....	1.72	.....	.....	2	2.00	7.06	0.22	22.01	23.67
		Durbhanga	.....	.....	.....	.....	2.10	0.04	0.02	3	2.16	3.80	10.01	15.12	31.35
	Chumpanan	Maddapore	.....	.....	.....	.....	2.70	0.51	.....	3	3.88	7.06	8.89	22.17	25.00
		Maddapore	.....	.....	.....	.....	2.70	0.51	.....	3	3.88	7.06	8.89	22.17	25.00
	Barun	Sitamarhi	.....	.....	.....	.....	1.10	.....	.....	2	1.31	2.60	8.76	14.49	28.34
		Mouzerpore	.....	.....	.....	.....	2.47	.....	0.21	2	2.68	2.10	9.10	10.00	20.00
	Barun	Happore	.....	.....	.....	.....	0.67	.....	.....	1	0.67	4.14	0.84	2.45	28.35
		Mouzerpore	.....	.....	.....	.....	0.67	.....	.....	1	0.67	4.14	0.84	2.45	28.35
	Barun	Mouzerpore	.....	.....	.....	.....	3.11	2.15	.....	3	0.67	7.26	10.89	27.57	20.50
		Barun	.....	.....	.....	.....	0.64	.....	.....	3	0.67	7.26	10.89	27.57	20.50
	Barun	Gopalgunge	.....	.....	.....	.....	1.76	0.60	0.01	4	2.37	6.34	8.00	30.27	20.19
		Barun	.....	.....	.....	.....	0.77	0.04	1.05	4	2.08	6.05	8.00	20.45	20.19
	Barun	Chuprah	.....	.....	.....	.....	1.19	.....	.....	1	1.19	0.66	0.66	10.30	27.35
		Chuprah	.....	.....	.....	.....	1.19	.....	.....	1	1.19	0.66	0.66	10.30	27.35
SOUTH-BENGAL.	Shahabad	Bazar	.....	.....	.....	.....	0.35	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Dehri	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Gya	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Gya	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Aurangabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Gya	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
		Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20.77
	Patna	Shahabad	.....	.....	.....	.....	.....	.....	.....	2	0.35	0.27	0.57	20.77	20

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 29TH AUGUST 1884.**

THE past week has been marked by very scanty rainfall over the greater part of the Province. During the first half of the week, pressure decreased in consequence of the formation of an area of barometric depression and cyclonic circulation in the Bay, off the Ganjam coast. The indraught to this diminished very considerably the strength of the sea winds, and hence, the amount of the rainfall in Bengal. It advanced across the Ganjam coast south of Gopalpore on the evening of the 26th, and broke up a few hours afterwards, after having given moderate rain to the greater part of the west coast of the Bay. Its disappearance was followed by a slight increase of the monsoon winds in Bengal, and by the occurrence of light showers over the greater part of Bengal. A rapid increase of pressure on the 29th and 30th accompanied a considerable diminution of the strength of the winds and rainfall, so that at the end of the week a partial break in the rains was established over nearly the whole of the Province.

The most prominent feature in the meteorology of the past week has been the very slight rainfall over the greater part of the Province, including South Behar, Chutia Nagpur, and Central Bengal. The districts in that area have only received from 10 to 35 per cent. of the normal rainfall of the week.

There were also two special and local features of importance. The first was a heavy fall of rain, giving an average of nearly  $1\frac{1}{2}$  inches over those districts in North Behar (including Durbhunga, Mozufferpore and Chumparun) where rainfall has for some weeks past been abnormally deficient. The second was the occurrence of almost continuous heavy rain during the week in the districts of North Bengal bordering on the hills. The Julpigoree and Cooch Behar districts received an average of  $12\frac{1}{2}$  inches, the normal fall of the week being only  $5\frac{1}{2}$  inches. This small area of excessive rainfall hence obtained nearly  $2\frac{1}{2}$  times its normal allowance.

**Pressure.**—A slight increase of pressure occurred at the commencement of the week. This was followed on the 24th, 25th, and 26th by a moderate diminution of pressure, which was, on the 26th, below the normal by amounts ranging from  $\cdot 01''$  at Durbhunga to  $\cdot 09''$  at Orissa. There was on that day, a slight barometric depression in the Bay near to the Orissa and Ganjam coasts. It crossed the coast to the south of Gopalpore on the evening of the 26th and speedily broke up. This was followed by a slight rise of the barometer on the 27th, and by an unusually rapid rise on the 28th, 29th, and 30th, averaging nearly two-tenths of an inch over the greater part of the Province. Pressure was hence very considerably above the normal at the end of the week, by amounts ranging from  $\cdot 08''$  at Patna to  $\cdot 12''$  at Chittagong and  $\cdot 13''$  at Durbhunga. The barometric movement during the week has hence been confined to one large oscillation, downward motion occurring during the first half of the week, and upward motion during the latter half.

The mean pressure of the week hence does not differ much from the normal. It is slightly in excess in the case of East Bengal, the northern and eastern districts of South-West Bengal, North Behar and probably North Bengal, and is in defect over the remainder of the Province. Hence, as for some weeks past, Orissa, Chutia Nagpur and the adjacent districts of South-West Bengal formed an area of deficient pressure, relative to the whole Province.

**Temperature.**—In consequence of the small rainfall of the week, the mean temperature was generally above the average. The excess, as is usually the case, was most marked in Behar and Chutia Nagpur, where the mean temperature was from  $1\frac{1}{2}^{\circ}$  to  $2^{\circ}$  above the normal. High maximum temperatures exceeding  $94^{\circ}$  were recorded at several stations. The highest were—

Gya	...	...	...	$95\cdot 3^{\circ}$ on the 27th.
Arrah	...	...	...	$94\cdot 4^{\circ}$ „ 25th.
Motihari	...	...	...	$94\cdot 1^{\circ}$ „ 25th.

**Winds.**—The chief feature during the week was the preponderance of easterly winds. This was mainly due to the relatively low pressure in Orissa and Ganjam. Winds were mainly from south-east in North Orissa and Bengal, and from east-south-east or east in Behar and Chutia Nagpur. They were below their normal strength, more especially during the latter half of the week. Strong winds have, on the other hand, prevailed over the south and centre of the Bay, and will probably extend northwards, and give rain in Bengal during the present week.

**Rainfall.**—The rainfall of the past week was unusually small in amount, and very deficient over the greater part of the Province. Orissa and the south-western districts of South-West Bengal received frequent showers. Rain fell on almost every day of the week, but the amounts registered were small, and the total rainfall of the week was hence somewhat below the average. The eastern districts of South-West Bengal and East Bengal received rain after the Orissa and Ganjam disturbance had crossed the coast and broken up. Light to moderate showers fell on the 27th, 28th, and 29th, but the total rainfall of the week was generally below the normal. Over the greater part of North Bengal, the rainfall was abnormally small, and consisted mainly of very

light local showers, giving barely an average of one inch over the greater part of the division. The Julpigoree, Cooch Behar, and Darjeeling districts obtained very heavy rain, which fell on every day, and frequently in large amounts. The following falls of five inches or upward, were registered in that area of locally heavy rainfall during the past week :—

Julpigoree	...	...	...	7.82 inches on the 25th.
Buxa	...	...	...	7.70 " " "
Mickligunj	...	...	...	5.00 " " "
Cooch Behar	...	...	...	5.75 " " 26th.

A break in the rains obtained during the week over the greater part of Behar and Chutia Nagpur. A few light showers were received in South Behar, but they were of little importance. A general fall of rain occurred over the whole of North Behar on the 26th. The largest amounts were recorded in the Durbhunga, Mozufferpore, and Chumparun districts, in which rainfall has been for some weeks much below the average and very irregularly distributed. The following gives the most important falls :—

	Inches.
Motihari	3.11
Madhubani	2.70
Muzufferpore	2.47
Durbhunga	2.10

The preceding statements hence indicate that a partial break in the rains obtained during the week under review over a large portion of the interior of the Province. South Behar, Chutia Nagpur, the greater part of North Bengal, and Mymensingh received unusually small amounts. South-West Bengal and Orissa received moderate amounts due to frequent light showers. The northern districts of North Bengal adjoining the hills obtained almost continuous heavy rain during the week. North Behar had one day's heavy rain, which gave it amounts differing little from the normal total rainfall of the week.

The rainfall was in excess in the Julpigoree, Chumparun, Darjeeling, Mozufferpore, Durbhunga, Noakhally, Purneah, Commillah and Backergunge districts. The Julpigoree, districts received 24 times its normal fall, and the Chumparun twice its normal amount. In the other districts the excess was much smaller, in no case exceeding 25 per cent.

Kurshedpore obtained approximately its average amount. Between 70 and 84 per cent. was received in the 24 Pergunnahs, Howrah, Hooghly, Dacca, Chittagong, Rungpore, Balasore, Pooree, and Sarun; between 61 and 50 per cent. in Midnapore, Burdwan, Jessore, Mymensingh and Cuttack; between 40 and 30 per cent. in Manbhoom, Bogra, Pubna, Rajshahye, Dinagepore, Moorshedabad, Baucoora, and Beerbhoom; and between 20 and 30 per cent. in the Sonthal Pergunnahs, Naddea, Patna, and Bhagulpore. Less than 20 per cent. of the normal rainfall of the week was received in the following districts :—

Gya	...	...	...	14 per cent.
Singbhoom	...	...	...	10 "
Shahabad	...	...	...	9 "
Hazaribagh	...	...	...	9 "

Hence Chutia Nagpur and the Gya and Shahabad districts of South Behar formed the area of most deficient rainfall during the past week.

The complete rainfall returns of the past month, up to the 29th, indicate that the rainfall has been very considerably below the average. Orissa has received 73 per cent. of its normal amount for the month of August, North Behar 72 per cent., South Behar 71 per cent., Chutia Nagpur 70 per cent., North Bengal 69 per cent., and South-West Bengal and East Bengal each 61 per cent. As is almost invariably the case, deficiency in the amount of the rainfall has accompanied very considerable irregularity in its occurrence and distribution. The area in which the rainfall has been most deficient in amount includes the central districts of Bengal. The following table gives data illustrating the character of the rainfall of the past month (August) in these districts :—

	Normal rainfall. Inches.	Actual rain- fall. Inches.	Deficiency. Inches.	Percentage deficiency.
Bogra and Pubna	11.56	4.40	6.60	57
Rajshahye	10.76	4.02	6.84	64
Naddea	11.96	5.47	6.40	54
Dinagepore	11.71	5.99	5.72	49
Mymensingh	12.97	6.40	6.37	49
Sonthal Pergunnahs	10.95	5.50	5.45	50

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 29th August 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during week.	Averages for week.					Of week.		Rainy days.		Since 1st of month.		Since 1st of May.	
		Lowest observed during week.	Of each day.				Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.
			Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.								
Orissa ... ..	91°4	57°1	87°8	79°8	83°2	+0°2	1°43	2°10	-0°67	4.6	5.7	+0°9	8°34	11°31
South-West Bengal ...	91°8	57°3	86°5	78°6	84°1	+1°3	1°12	2°16	-1°04	3.7	5.9	-0°2	7°28	12°02
East Bengal ... ..	90°8	72°4	87°2	77°5	82°4	+0°4	2°36	2°74	-0°38	4.3	4.6	-0°3	9°30	16°36
North Bengal ... ..	91°8	73°8	88°1	77°7	82°9	—	3°40	3°58	+0°18	4.8	4.0	+0°3	9°55	13°59
North Behar ... ..	94°1	70°8	91°2	77°6	84°4	-0°2	2°72	2°20	+0°52	3.1	3.2	-0°1	7°50	10°30
South Behar ... ..	95°3	70°8	90°8	78°2	85°0	+1°7	0°49	2°18	-1°69	1.6	3.3	-1°7	7°48	10°44
Chutia Nagpur ... ..	87°5*	71°9*	85°2*	78°1*	79°2*	+1°4*	0°53	2°48	-1°95	2.8	4.1	-1°3	8°04	12°40

\* Chyebusa not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 1st September 1884.

Meteorological Reporter to the Govt. of Bengal.



## Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th August 1884.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 35° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Aug.	24th	154.6	6.6	29.648	83.3	89.0	10.8	78.1	79.8	0.973	78.4	86	SSE and S by E ...	102	0.13	Chiefly cloudy, o, g, d, p, t, $\Delta$
"	25th	146.7	6.4	29.610	83.9	88.9	8.3	78.7	79.8	0.976	78.5	87	SSE and S by E ...	89	0.40	Chiefly cloudy, o, g, d, p, t, $\Delta$
"	26th	151.6	9.8	29.697	83.3	89.3	10.9	78.4	79.0	0.976	78.5	86	SSE and ESE ...	94	0.18	Chiefly cloudy, o, g, p.
"	27th	154.0	4.8	29.600	83.6	87.1	8.6	75.3	79.8	0.984	78.7	88	SE by E and SE by S	110	0.19	Chiefly cloudy, o, d, p, t.
"	28th	146.3	3.8	29.654	83.1	86.3	8.5	77.7	79.3	0.967	78.2	83	SSE and S ...	116	0.27	Chiefly cloudy, o, d, p, t.
"	29th	139.3	4.0	29.730	81.1	86.2	8.0	76.3	76.3	0.935	77.2	89	S and SSE ...	81	0.04	Cloudy, o, g, d, t.
"	30th	138.4	0.3	29.756	79.3	84.1	7.4	76.7	77.2	0.908	76.3	81	SE by S and S by E	51	1.01	Cloudy, o, g, d, p.

The mean pressure of the seven days	...	Inches.	29.656
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	29.627
The total number of hours of bright sunshine	...	Hours.	35.1
The maximum possible number of hours of sunshine	...	...	88.5
The mean temperature of the seven days	...	°	82.1
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	83.2
The extreme variation of temperature	...	...	12.6
The maximum temperature	...	...	89.3
The highest velocity of the wind in one hour	...	Miles.	12
The highest pressure of wind on one square foot	...	Lbs.	2
The mean relative humidity	...	%	88
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	86

The total fall of rain from 24th to 30th August 1884	...	Inches.	3.12
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	2.34
The total fall from 1st January to 30th August 1884	...	...	42.24
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	48.02
The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.			

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder,  $\Delta$  dew.

JOHN ELIOT,

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 1st September 1884.

for Meteorological Reporter to the Government of India.

## MEMORANDA.

DURING the week ending 16th August 1884, births and deaths were reported to have occurred in the first class Municipalities in Bengal at the rates, respectively, of 19.9 and 29.0 per 1,000 of population against 19.3 and 31.8 per 1,000, respectively, during the preceding week ending 9th August, indicating a falling off in the registration of deaths.

2. The undermentioned Municipalities returned the highest proportions of births and deaths :—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Utterpara	...	...	47.2	Gya	...	...	67.1
Gya	...	...	43.1	Monghyr	...	...	48.8
Bhagulpore	...	...	35.3	Poori	...	...	40.7
Burdwan	...	...	32.0	Bhagulpore	...	...	38.0
				Suburbs of Calcutta	...	...	38.9
				Patna	...	...	32.1
				Serampore	...	...	31.4
				Chupra	...	...	28.3
				Dacca	...	...	27.2

3. The principal diseases specified in the table appended to this memoranda proved fatal at the rates exhibited below :—

				Ratio per mille during the weeks ending—	
				16th August 1884.	9th August 1884.
Cholera	...	...	...	2.8	4.1
Small-pox	...	...	...	3	3
Fever	...	...	...	12.1	14.7
Bowel-complaints	...	...	...	4.2	4.6
Injury	...	...	...	4	4
Other causes	...	...	...	9.2	7.6

indicating chiefly that, in comparison with the preceding week, the severity of cholera and fever had, on the whole, declined considerably, but that the mortality from the diseases classed under the head of "Other causes" had increased sensibly.

4. Of the above-mentioned diseases cholera, fever, bowel-complaints, and "other causes" were most fatal to life in the following Municipalities :—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Monghyr	... 19.0	Gya	... 25.3	Poori	... 10.7	Gya	... 31.9
Gya	... 13.7	Jessore	... 24.5	Monghyr	... 9.9	Poori	... 17.1
Dacca	... 6.5	Bhagulpore	... 21.7	Bhagulpore	... 8.1	Patna	... 13.3
Arrah	... 4.8					Suburbs of Calcutta	12.4
						Dacca	... 10.4
						Serampore	... 9.8
						Monghyr	... 9.0

5. Distributed under the heads of Sex, Class and Age, the mortality of the week under notice stands as follows :—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	28.0	Christians	...	21.7	Under 1 year	...	295.0
Females	...	30.1	Hindus	...	29.5	1 and under 5 years	...	51.7
Ratio of male deaths to every 100 female deaths	...	105	Mahomedans	...	28.3	5 " 10 "	...	19.5
						10 " 15 "	...	18.6
						15 " 20 "	...	11.5
						20 " 30 "	...	14.8
						30 " 40 "	...	17.5
						40 " 50 "	...	18.2
						50 " 60 "	...	29.5
						60 years and upwards	...	68.3

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 1st September 1884.

Statement showing the Results of the Registration of Births and Deaths in the First Class Municipalities in Bengal during the week ending 16th August 1884.

DISTRICTS.		NAMES OF MUNICIPALITIES.		POPULATION.				BIRTHS.				MORTALITY ACCORDING TO—												Sex.		Ratio of male deaths to every 100 female deaths.				
1	2	3	4	5	6	7	8	9	10	11	12	DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.						Station.	Males.		Females.			
												Cholera.	Small-pox.	Fevers.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Typhoid.	Small-pox.	Typhoid.	Other diseases.	All causes.					Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.
				Total.		Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.		Total.		Males.		Females.				
Burdwan	Burdwan	14,903	16,017	30,920	15	9	24	193	137	330	135	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Midnapur	Midnapur	14,927	16,633	31,560	3	1	4	45	15	60	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Hughli	Hughli and Obhinsurab	19,179	19,809	38,988	4	11	15	54	143	197	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Seemapore	Seemapore	13,309	13,987	27,296	4	5	9	78	98	176	80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Howrah	Howrah	3,044	2,464	5,508	3	2	5	23	19	42	115	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
24-Pargannas	24-Pargannas	60,999	44,630	105,629	23	30	53	113	98	211	123	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Calcutta	Calcutta	167,200	164,254	331,454	28	43	71	110	89	199	128	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Chittagong	Chittagong	13,903	14,814	28,717	6	7	13	113	132	245	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Dacca	Dacca	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Barisal	Barisal	13,790	15,979	29,769	8	6	14	140	105	245	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Jessore	Jessore	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Rajshahi	Rajshahi	13,790	15,979	29,769	8	6	14	140	105	245	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Darjiling	Darjiling	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Dacca	Dacca	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Chittagong	Chittagong	13,790	15,979	29,769	8	6	14	140	105	245	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Tipperah	Tipperah	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Faizpur	Faizpur	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Gya	Gya	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Shahabad	Shahabad	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Moulvibazar	Moulvibazar	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Durbinaga	Durbinaga	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Sarun	Sarun	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Shahabpur	Shahabpur	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Meerut	Meerut	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Farrukh	Farrukh	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Poori	Poori	4,899	4,895	9,794	1	...	1	60	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Total	Total	702,070	619,410	1,321,480	271	236	507	10,6	9,3	19,9	116	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				

\* A special census of the Europeans in the Darjiling Municipality was recently taken, on the census of this section of the community taken in February 1881 was not reliable, owing to the European being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The native have consequently been calculated on the basis of the 1881 census. The ratio under which has been entered, measured as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under that head not having been recorded under the authorized form of 1881 classification.

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 1st September 1894.

## Statement of Fluctuation of Goods Traffic on the Northern Bengal State Railway for the month of July 1884.

Abstract of the principal commodities carried over the Line during the month of July 1884, as compared with the same month of the previous year.

STAPLES.	1883.		1884.		Total in 1883.	Total in 1884.	Increase.	Decrease.
	Up.	Down.	Up.	Down.				
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Alc	39'30	...	54'27	...	39'30	54'27	3'97	...
Food-grain	1,812'05	2,143'10	1,077'36	1,498'18	3,938'15	3,675'52	...	884'63
Ginger	...	80'71	...	42'15	...	40'45	...	17'66
Gunny-bags	7'18	620'23	8'52	187'54	637'41	197'06	...	436'35
Jute	...	2,131'90	37'17	635'53	2,131'90	672'70	...	1,559'26
Miscellaneous	160'30	382'80	980'70	380'83	1,513'00	1,367'30	54'29	...
Piece-goods	241'02	...	274'22	...	241'02	274'22	...	10'82
Railway material	3,216'30	56'79	3,617'71	114'37	3,296'30	3,732'21	466'61	...
Salt	2,113'02	...	1,588'07	...	2,113'02	1,340'84	...	678'59
Sugar	43'05	...	85'42	...	43'05	85'26	43'21	...
Seeds	133'02	170'30	72'29	360'56	360'56	432'85	123'53	...
Tea	...	920'79	...	1,453'46	920'79	1,453'46	123'00	...
Tobacco	5'40	1,826'80	5'91	1,090'30	1,832'20	1,105'21	...	727'08
Total	8,522'04	8,592'10	7,080'63	8,780'40	16,944'14	15,470'12	...	...

## GENERAL REMARKS AND EXPLANATIONS.

The working results, as regards the total quantity of traffic, lifted during the half-year ending June 1884, compared with the same period last year, when equal mileage rates were in force, cannot be said either to be satisfactory or encouraging. During January, February, March and April 1884 the traffic fell off to the alarming extent of 19,081'76 tons. In May and June it partially revived and an increase of 2,435'56 tons and 51'68 tons respectively took place. This favourable turn, however, appears to have been temporary, as in the working results of the month under review again show a decrease of 3,394'02 tons.

This decrease is, as usual, due to short despatches of jute and gunny, but food-grain, salt and tobacco also contribute largely. Recent advices complain of the want of rain, and unless the weather improves a bumper jute and rice crop cannot possibly be expected.

## INCREASES.

Alc ... Tons 3'97  
This traffic is chiefly regulated by the number of troops at Darjeeling. As convalescents are passing up an increase in despatches may be looked for.

Miscellaneous ... Tons 54'29  
This traffic is subject to fluctuations, which it is impossible to trace with accuracy. This increase is apparently due to several heavy consignments of machinery and stores which passed up during the month.

Railway material ... Tons 466'61  
The total quantity of Railway material carried during the month was 3,732'21 tons, of which 2,574'54 tons was coal for the Locomotive Department.

Sugar ... Tons 43'21  
This increase, and that recorded last month, will make up partially for recent short despatches.

Seeds ... Tons 123'53  
A firm market with advancing prices will account for this increase.

Tea ... Tons 123'00  
In the beginning of the month the demand was good, and all useful teas met with fair competition. Prices are, however, declining owing to unfavourable accounts from London.

## DECREASES.

Food-grain ... Tons 884'63  
The Calcutta market remains unchanged. This, coupled with the fact that last year's crop suffered considerably from the drought, will explain this falling off.

Ginger ... Tons 17'66  
The season is drawing to a close.

Gunny-bags ... Tons 436'35  
The remarks made in my last month's reply still apply.

Jute ... Tons 1,559'26  
The market remains quiet. Small quantities of the new crop have arrived in Calcutta and sold at Rs. 3-7 to Rs. 3-9. The quality, however, is reported to be indifferent, the fibre short, and the colour poor. The want of rain is interfering with proper steeping, and unless more rain falls, the outturn will not be so good as anticipated.

Piece-goods ... Tons 10'82  
This is a very small decrease coming after the heavy despatches of the last three months.

Salt ... Tons 678'59  
This falling off can only be accounted for by assuming that local markets were fully stocked earlier this year than last.

Tobacco ... Tons 727'08  
The market for this staple has experienced no material change and no demand exists.

G. S. LEONARD, Traffic Superintendent

TRAFFIC SUPERINTENDENT'S OFFICE, Saidpur, the 14th August 1884.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884 on 1,609½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	153,557	1,98,615 8 0	19,26,233 0	4,00,560 3 0	15,057 10 0	6,23,215 5 0	62,715	80,657	1,43,372
Or per mile of railway	.....	131 9 3	.....	271 5 3	9 13 2	412 15 9	.....	.....	.....
For previous 7 weeks of half-year	1,314,535	12,39,560 15 0	1,34,13,014 20	31,29,324 4 2	1,14,326 4 2	45,74,537 7 4	411,243	607,810	1,019,053
Total for 8 weeks	1,500,090	12,34,202 7 0	1,55,39,237 20	35,29,908 7 2	1,29,383 14 2	51,97,049 13 4	473,989	6,497	1,163,487
COMPARISON.									
Total for corresponding week of previous year	181,843	1,98,130 1 3	34,23,847 10	6,01,961 10 9	18,516 10 9	6,08,607 6 8	60,000	127,764	187,764
Per mile of railway corresponding week of previous year	.....	124 10 10	.....	394 14 6	13 4 4	635 13 8	.....	.....	.....
Total in corresponding date of previous year	1,540,121	12,72,998 4 10	1,89,56,034 20	33,56,704 0 4	1,38,622 10 1	70,67,334 15 5	494,030	1,145,718	1,639,748

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 15TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 23RD AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 25TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 23RD AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,500	8,08,007	536	1,509	6,23,215	413	1,509	2,11,81,931	14,037	1,509	1,63,25,115	11,140	.....	45,56,815

## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884, on 350 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steamboat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week	75,171	27,140 0 0	3,57,081 0	81,390 0 0	8,160 0 0	1,17,510 0 0	12,949	11,448	24,397
Or per mile of railway	209	76 0 0	1,078 0	227 0 0	.....	363 0 0	.....	.....	.....
For previous 7 weeks of half-year	575,065	2,67,770 0 0	12,90,514 0	2,54,560 0 0	34,100 0 0	5,02,430 0 0	85,072	86,636	1,62,708
Total for 8 weeks	647,236	2,35,250 0 0	17,43,505 0	3,39,950 0 0	44,260 0 0	6,19,460 0 0	99,312	98,084	1,97,396
COMPARISON.									
B.—Total for corresponding week of previous year	68,405	30,651 0 0	2,59,333 0	46,547 0 0	9,381 0 0	86,479 0 0	10,020	6,948	16,968
Per mile of railway corresponding period of previous year	200	116 8 0	910 0	184 3 4	.....	300 12 1	.....	.....	.....
Total in corresponding date of previous year	587,117	2,80,766 0 0	19,34,262 0	3,42,015 0 0	59,699 0 0	6,52,561 0 0	89,316	85,607	1,74,923

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz. Rs. 4,356 and Rs. 3,333 respectively apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz. Rs. 1,003, and Calcutta and South-Eastern receipts Rs. 5,134.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 25TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 23RD AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 25TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 23RD AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
203	80,479	338	250	1,17,030	286	250	19,80,000	7,124	339	16,61,135	6,680	.....	1,41,540

\* Increase in mileage.

	Miles.
Eastern Bengal Railway	5
Bengal Central Railway	91
	96

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	7,076	8,806 2 0	27,332 0	1,834 15 0	31 5 0	8,772 6 0	1,078	710	2,396
Or per mile of railway ...	134	66 8 6	481 20	33 13 5	0 8 9	106 14 8	...	...	...
For previous 7 weeks of half-year ...	58,080	31,217 8 0	8,38,783 0	23,771 10 0	246 9 0	57,225 11 0	11,453	8,207	19,795
Total for 8 weeks ...	65,156	35,023 10 0	8,66,115 0	27,706 9 0	267 14 0	62,998 1 0	12,531	9,013	22,187
COMPARISON.									
Total for corresponding week of previous year ...	7,807	2,513 10 7	20,618 0	1,302 12 0	42 15 0	4,859 5 7	2,022	577	2,300
Per mile of railway corresponding week of previous year ...	140	61 13 3	361 0	22 12 5	0 13 0	83 7 8	...	...	...
Total to corresponding date of previous year ...	64,309	30,571 12 8	2,10,191 0	13,753 13 0	390 9 0	44,503 2 8	14,306	4,870	19,743

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD AUGUST 1884.			RECEIPTS FOR WEEK ENDING 23RD AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 23RD AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 23RD AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57½	Rs. 4,859	86	57½	Rs. 2,772	101	57½	Rs. 1,04,129	2,871	57½	Rs. 1,70,493	3,086	Rs. 12,200	Rs. ....

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,787	3,160 10 0	38,780 30	1,185 18 0	91 14 0	4,415 5 0	610	814	1,424
Or per mile of railway ...	...	42 8 1	...	16 8 3	1 3 9	59 4 0	...	...	...
For previous 7 weeks of half-year ...	27,549	23,201 8 0	3,04,070 10	13,334 8 3	624 13 0	37,740 13 3	4,312	6,330	10,622
Total for 8 weeks ...	31,336	26,358 2 0	3,42,850 0	14,419 5 3	714 11 0	41,994 2 3	4,922	7,144	12,106
COMPARISON.									
Total for corresponding week of previous year ...	3,512	2,770 0 9	30,537 30	2,231 11 0	127 5 0	5,138 0 9	507	673	1,180
Per mile of railway corresponding week of previous year ...	...	37 4 10	...	30 13 4	1 11 4	68 15 0	...	...	...
Total to corresponding date of previous year ...	31,117	26,126 1 2	1,73,884 30	16,073 7 0	827 18 0	43,021 5 2	5,022	4,873	9,895

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD AUGUST 1884.			RECEIPTS FOR WEEK ENDING 23RD AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 23RD AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 23RD AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
74½	Rs. 3,135	60	74½	Rs. 2,772	60	74½	Rs. 1,37,048	1,713	74½	Rs. 1,40,000	1,879	Rs. 12,352	Rs. ....

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	1,970	356 0 0	5,966 10	123 0 0	33 3 0	533 12 0	236	94	330
Or per mile of railway ...		29 15 0		11 1 4	2 12 3	43 13 0			
For previous 7 weeks of half-year ...	15,935	2,631 12 0	44,791 20	1,111 10 0	250 13 0	4,343 3 0	1,197	1,013	2,209
Total for 8 weeks ...	17,905	3,291 5 0	50,749 30	1,234 10 0	283 9 0	4,986 15 0	1,432	1,106	2,538
COMPARISON.									
Total for corresponding week of previous year ...	1,800	325 12 8	9,616 20	213 5 0	18 10 0	536 12 8	233	96	329
Per mile of railway corresponding week of previous year ...		27 3 10		17 12 5	1 8 10	45 9 1			
Total to corresponding date of previous year ...	16,866	2,907 11 10	71,627 10	1,753 10 0	198 0 0	4,859 14 10	1,756	847	2,603

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 20TH AUGUST 1883.			RECEIPTS FOR WEEK ENDING 23RD AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 20TH AUGUST 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 23RD AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
12	Rs. 559	47	12	Rs. 620	44	12	Rs. 20,592	1,699	12	Rs. 22,802	1,900	2,410	.....

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			16th June 1883.	14th June 1884.	To 16th June 1883.	To 14th June 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
15th July ...	Northern Bengal...	240	38,632 0 0	50,684 0 0	10,78,744 0 0	8,98,378 0 0	.....	1,80,366	-17
21st June ...	Tirhoot ...	193	17,716 0 0	21,931 0 0	3,92,935 0 0	5,42,027 0 0	1,49,092	.....	+38
30th ..	Calcutta and South-Eastern ...	56	15,042 0 0	5,476 0 0	1,42,768 0 0	1,54,503 0 0	11,735	.....	+ 8
30th ..	Nalhati ...	27	1,910 0 0	1,074 0 0	40,906 0 0	37,043 0 0	.....	3,863	-10
	Total ...	526	64,290 0 0	80,765 0 0	16,55,368 0 0	16,32,953 0 0	.....	22,202	- 1

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			23rd June 1883.	21st June 1884.	To 23rd June 1883.	To 21st June 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
15th July ...	Northern Bengal...	240	22,986 0 0	35,919 0 0	11,11,732 0 0	9,31,597 0 0	.....	1,80,135 0 0	-16
21st June ...	Tirhoot ...	193	9,914 0 0	19,781 0 0	4,02,849 0 0	5,42,027 0 0	1,39,178 0 0	.....	+60
30th ..	Calcutta and South-Eastern ...	56	10,540 0 0	9,042 0 0	1,53,227 0 0	1,53,545 0 0	10,318 0 0	.....	+ 7
30th ..	Nalhati ...	27	1,909 0 0	1,776 0 0	42,975 0 0	38,921 0 0	.....	4,054 0 0	- 9
	Total ...	526	55,358 0 0	66,518 0 0	17,10,783 0 0	16,66,101 0 0	.....	14,531 0 0	.....

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

					Rs.	A.	P.
Earnings for week ending 23rd August 1884	...	...	...	...	5,732	0	0
Corresponding week last year	...	...	...	...	7,167	4	3
Decrease	...	...	...	...	1,435	4	3
Receipts from 1st July to 23rd August 1884	...	...	...	...	59,564	8	9
"    from 1st July to 25th August 1883	...	...	...	...	61,879	14	5
Decrease	...	...	...	...	2,315	5	8
Miles open week ending 23rd August 1884	...	...	...	...	Miles.		
Corresponding week last year	...	...	...	...	50		
Receipts per mile open week ending 23rd August 1884	...	...	...	...	Rs. A. P.		
Corresponding week last year	...	...	...	...	114	10	3
Decrease	...	...	...	...	133	5	6
	...	...	...	...	28	11	3

DARJEELING, the 30th August 1884.

W. STEVENSON, Secretary.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 10, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### FINANCIAL DEPARTMENT—FINANCE.

*Darjeeling, the 30th August 1884.*

#### RESOLUTION.

THE Lieutenant-Governor is now in a position to review the actual financial results of the year 1882-83, the revised estimates for 1883-84, and the budget estimates for 1884-85. The Accountant-General has submitted his final report on the accounts for 1882-83, the orders of the Government of India on the estimates for the current year have been received, and the Lieutenant-Governor has sufficient materials for framing a second revised estimate of the receipts and expenditure of the year that expired on the 31st March last.

#### ACCOUNTS OF PROVINCIAL SERVICES FOR 1882-83.

2. The year 1882-83 being the first year of the period for which a new financial contract has been made, a comparison of the accounts of that year with those of the previous year will hardly be of any interest. A comparison



with the budget estimates for 1882-83 will show to what extent the anticipations formed at the beginning of the year have actually been realized, and the effect of the contract on the Provincial Revenues. It will not be necessary here to enter into the details of the contract, the principle of which is, as has already been explained in the Financial Resolutions of past years, that instead of giving the Local Government a fixed sum of money to make good any excess of provincialized expenditure over provincialized receipts, a certain percentage of the Imperial revenue has been devoted to this object. A few heads of receipts and expenditure have been reserved as Imperial, others have been divided in proportions, for the most part equal, between Imperial and Provincial, and the rest have been made Provincial. The balance of transfers being against the Local Government has been rectified by a fixed percentage on the land revenue of the Province, otherwise reserved as Imperial. The percentage of land revenue has, however, been calculated after allowing for the claim of the Government of India to share the general improvement that resulted to the Provincial revenues during the five years preceding the new contract. That share has been fixed at 30 lakhs a year. From this the Government of India have deducted three lakhs to be expended on the improvement of the Subordinate Executive and Judicial Services, and the establishment of the new district of Khoolna. In order, also, that the Local Government might not be embarrassed by a sudden reduction of 27 lakhs in its income, a sum of Rs. 28½ lakhs was added to the credit balance of the province for 1881-82. In the Resolution of the 3rd July 1883, it was shewn that, with this addition of 28½ lakhs, and the restoration of 20 lakhs which had been contributed to the Imperial treasury in the two years 1879-80 and 1880-81, the Provincial Services closed the year 1881-82 with a credit balance of Rs. 77,20,000 instead of Rs. 14,46,000 as originally estimated. In the sum of Rs. 77,20,000 was included Rs. 1,77,000 which represented the expenditure on account of Census operations charged to Provincial, but subsequently refunded by the Government of India. This adjustment, however, was not finally made in 1881-82, and the year actually closed with a credit balance of Rs. 75,43,011.

3. The following abstract exhibits in a condensed form the results of the year 1882-83 compared with the estimates for the year as adopted in the Financial Resolution of the 18th April 1882:—

RECEIPTS.			OUTGOINGS.	
Budget.	Accounts.		Budget.	Accounts.
Rs.	Rs.		Rs.	Rs.
2,90,11,000	2,95,25,446	Principal heads of revenue ...	52,41,000	47,08,987
39,26,000	39,30,318	Civil Administration ...	2,09,38,000	2,09,37,143
8,47,000	8,17,366	Miscellaneous ...	23,24,000	26,83,311
62,12,000	66,95,595	Productive Public Works ...	1,66,03,000	1,76,73,524
1,60,000	21,754	Public works not classed as productive ...	14,86,000	2,83,663
4,01,56,000	4,08,90,479	Contribution ...	4,65,92,000	4,62,86,578
		Total ...		
		Provincial surplus (+) or deficit (—) ...	—4,36,000	—53,96,099

The net results are shown below:—

	Better.	Worse.
	Rs.	Rs.
Principal heads of revenue ...	10,46,509	.....
Civil Administration ...	5,175	.....
Miscellaneous ...	.....	8,84,945
Productive Public Works ...	.....	6,86,929
Public works not classed as Productive ...	.....	.....
Contribution ...	10,64,091	.....
Total ...	10,39,901	.....

4. Of the net improvement under "Revenue," amounting to Rs. 10,46,509, a sum of Rs. 5,16,000 is due to the transfer of miscellaneous refunds from this head to service heads. Apart from this, the total Land Revenue of the Province exceeded the original estimate by Rs. 4,88,000, and the Provincial share, including certain adjustments with the Supreme and other Governments, aggregated Rs. 1,30,54,000 against the original estimate of Rs. 1,24,98,000. Against this increase of revenue there was an increase of expenditure under Land Revenue amounting to Rs. 9,000, and the net improvement under that head was Rs. 5,47,000. There was also an increase of Rs. 15,000 under "Refunds" of Revenue heads, and the net results under the remaining heads were as follow :—

					Better. Rs.	Worse. Rs.
Opium (value of Europe stores)	...	...	...	...	.....	19,000
Salt	...	...	...	...	28,000	.....
Stamps	...	...	...	...	1,18,000	.....
Excise	...	...	...	...	.....	1,00,000
Provincial rates	...	...	...	...	29,000	.....
Customs	...	...	...	...	.....	3,000
Assessed taxes	...	...	...	...	.....	37,000
Forest	...	...	...	...	26,000	.....
Registration	...	...	...	...	16,000	.....
					2,17,000	2,19,000
Total					.....	2,000

5. The net improvement under "Civil Administration" amounted to Rs. 5,175. There was an increase in receipts and expenditure under Marine and Education, and a decrease under Law and Justice, Police and Medical. There was an increase of Rs. 42,000 in expenditure under General Administration, and the net loss under Scientific and other Minor Departments was Rs. 68,000. The result would have been better by Rs. 1,53,000, but for the fact that refunds to this extent, which were formerly adjusted under a separate head—Refunds and Drawbacks—are now included in the various service heads.

6. The increase of expenditure under "Miscellaneous" was due to the increase of superannuation charges owing to the reduction of establishments in the Customs House, to the inclusion of refunds of printing and miscellaneous receipts aggregating Rs. 1,03,000, and to larger expenditure under Stationery than was anticipated when the estimate was first framed.

7. The actual transactions of the three departments of "Railways," "Irrigation and Navigation," and "Civil Buildings and Roads," as compared with the original estimates, show the following results :—

	RECEIPTS.		EXPENDITURE.		NET RESULT.	
	Better.	Worse.	Better.	Worse.	Better.	Worse.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Railways ...	1,69,454	.....	.....	2,30,310	.....	1,61,856
Irrigation and Navigation	1,81,606	.....	1,56,802	.....	3,38,307	.....
Interest ...	.....	.....	32,874	.....	32,874	.....
Civil buildings, &c. ...	33,636	.....	.....	9,29,890	.....	8,96,254
Total ...	3,83,695	.....	.....	10,70,524	.....	6,86,929

The bulk of the excess of expenditure over the estimate for 1882-83 was under the head of Civil Buildings, Roads and Services, and was due to—

- (1). Charges for land.
- (2). Higher proportion of establishment charges debited to Provincial Services.
- (3). Exhibition buildings.
- (4). Burrakur ironworks.
- (5). Unadjusted land charges.

8. The amount shown under the head of "Contribution from local" in the original estimate represented the accumulated balance of the Estates' Improvement Fund, which was to be amalgamated with the Provincial balance. The actual balance amounted to Rs. 1,39,000 and was incorporated in the Provincial account of 1881-82. On the other hand, a sum of Rs. 13,50,000 was provided in the original budget as a reserve for grants for local purposes during the year, and a sum of Rs. 1,36,000 for contribution to the Imperial treasury on account of anticipated savings in the Customs Department. The savings in the Customs Department have been adjusted under Land Revenue, and the grants to Local Funds aggregated Rs. 2,83,663 only.

9. The net result of the year was, as shown above, an improvement of Rs. 10,39,901, and the year closed with a credit balance of Rs. 21,46,912 against Rs. 8,13,000 as originally estimated. But the result, though favourable in comparison with the original estimate for 1882-83, has not been so in comparison with the revised estimate for that year. The total amount available for expenditure was, according to this estimate, Rs. 4,82,87,000, and the actual amount at the disposal of the Local Government was Rs. 4,84,33,490; but, on the other hand, the total outgoings aggregated Rs. 4,62,86,578 against the revised estimate of Rs. 4,56,91,000, and the year actually closed, as stated above, with a balance of Rs. 21,46,912 instead of Rs. 25,96,000, as anticipated when the revised estimate was framed. This decrease is the more unfortunate, as, in consideration of a report from the Public Works Department that there would be a saving under "Railways" and "Irrigation and Navigation," and no excess under "Civil Buildings," the Public Works grant for 1883-84 was increased by Rs. 2,50,000. The actual expenditure of the Public Works Department, as compared with the revised estimate, is shown below :—

	Revised estimate.	Actual.	Difference.
	Rs.	Rs.	Rs.
Railways ... ..	33,92,000	33,00,310	—8,310
Irrigation and Navigation ... ..	26,22,000	26,15,198	6,802
Civil Buildings, Roads and Services in charge of Public Works Department ... ..	59,63,000	56,82,211	—7,19,211
Total ... ..	1,20,77,000	1,15,97,719	—7,20,719

Had it not been for this unanticipated excess of expenditure in the Public Works Department, the opening balance for 1883-84 would have exceeded 28½ lakhs. Measures have now been taken, which it is hoped will prevent a recurrence of such results. It must not, however, be overlooked that the Public Works Department experienced difficulties in suddenly contracting operations which had been initiated at a time when the Provincial finances were in a flourishing condition, and when the late Lieutenant-Governor was able to assign large sums for expenditure on works which could only be carried out with the aid of a large establishment.

## REVISED ESTIMATE OF PROVINCIAL SERVICES FOR 1883-84.

10. A revised estimate based on the actuals of eight months, and in some instances of ten months, was submitted to the Government of India with letter No. 1157, dated 7th March 1884. Later information has induced the Lieutenant-Governor to modify these estimates to a certain extent.

11. The following statement shows the estimates for the year 1882-83 as adopted in the Financial Resolution of the 3rd July 1883, the revised estimates as submitted to the Government of India in March last, and the estimates as now modified:—

HEADS OF REVENUE.	Original estimate, 1883-84.	Revised estimate, 1883-84, as submitted to Government of India.	Revised estimate as now adopted.
	Rs.	Rs.	Rs.
Opening balance ... ..	25,96,000	20,18,000	21,47,000
<i>Principal heads of Revenue:—</i>			
I.—Land Revenue ... ..	1,25,91,000	1,28,95,000	91,16,000
III.—Salt ... ..	1,59,000	1,15,000	1,00,000
IV.—Stamps ... ..	62,50,000	63,50,000	62,88,000
V.—Excise ... ..	51,50,000	52,50,000	52,13,000
VI.—Provincial rates ... ..	36,52,000	37,50,000	58,23,000
VII.—Customs ... ..	85,000	56,000	64,000
VIII.—Assessed taxes ... ..	7,75,000	7,75,000	7,59,000
IX.—Forests ... ..	4,00,000	4,00,000	3,50,000
X.—Registration ... ..	5,21,000	4,92,000	4,91,000
Total ... ..	2,95,93,000	3,00,83,000	2,61,94,000
<i>Receipts by Civil Departments:—</i>			
XV.—Law and Justice—			
Fees, fines, and forfeitures ... ..	8,75,000	8,15,000	7,64,000
Jails ... ..	9,35,000	8,85,000	5,29,000
XVI.—Police ... ..	6,25,000	6,00,000	5,63,000
XVII.—Marine ... ..	8,95,000	9,50,000	8,87,000
XVIII.—Education ... ..	6,18,000	5,39,000	5,29,000
XIX.—Medical ... ..	1,37,000	1,33,000	1,34,000
XX.—Scientific and other Departments ... ..	1,71,000	1,87,000	1,85,000
Total ... ..	42,56,000	41,00,000	35,98,000
<i>Miscellaneous:—</i>			
XXI.—Interest ... ..	41,000	60,000	58,000
XXII.—Receipts in aid of superannuation ... ..	79,000	68,000	74,000
XXIII.—Stationery and printing ... ..	1,27,000	1,40,000	1,22,000
XXIV.—Miscellaneous ... ..	6,82,000	4,88,000	4,85,000
Total ... ..	9,29,000	7,56,000	7,39,000
<i>Revenue from Productive Public Works —</i>			
XXV.—State Railways (gross earnings) ... ..	40,83,000	37,95,000	40,15,000
XXVII.—Irrigation and Navigation (direct receipts) ... ..	12,00,000	12,25,000	11,67,000
Total ... ..	53,83,000	50,20,000	51,82,000
<i>Receipts on account of Public Works not classed as Productive:—</i>			
XXIX.—State Railways ... ..	2,45,000	1,25,000	1,40,000
XXXI.—Irrigation and Navigation ... ..	7,81,000	8,25,000	8,25,000
XXXIII.—Civil Buildings, Roads, &c.—			
By Public Works Department officers ... ..	2,50,000	6,10,000	2,00,000
By Civil Department officers ... ..	5,34,000	5,10,000	5,05,000
Total ... ..	16,10,000	20,70,000	16,70,000
Total under all heads ... ..	4,19,41,000	4,20,38,000	3,73,81,000
GRAND TOTAL ... ..	4,45,37,000	4,40,56,000	3,95,28,000

HEADS OF EXPENDITURE.	Original estimate, 1883-84	Revised estimate, 1883-84, as submitted to Government of India.	Revised estimate as now adopted.
<i>Direct demand on the Revenue:—</i>	Rs.	Rs.	Rs.
3. Refunds ... ..	1,13,000	1,32,000	1,41,000
<i>Charges in respect of collections:—</i>			
5. Land Revenue ... ..	31,53,000	32,74,000	32,97,000
7. Salt ... ..	21,000	18,000	18,000
8. Stamps ... ..	2,15,000	2,29,000	2,38,000
9. Excise ... ..	1,30,000	1,28,000	1,28,000
11. Customs ... ..	4,96,000	4,80,000	4,83,000
12. Assessed taxes ... ..	50,000	50,000	48,000
13. Forests ... ..	2,50,000	2,50,000	2,00,000
14. Registration ... ..	3,12,000	2,52,000	2,78,000
<b>Total</b> ... ..	47,49,000	48,43,000	48,20,000
<i>Salaries and expenses of Civil Departments:—</i>			
18. General Administration ... ..	14,89,000	15,44,000	15,43,000
19. Law and Justice— Judicial Courts, &c. ... ..	76,97,000	77,25,000	76,24,000
Jails ... ..	19,48,000	17,40,000	16,80,000
20. Police ... ..	47,78,000	46,10,000	45,87,000
21. Marine (including river navigation) ... ..	8,62,000	9,51,000	8,53,000
22. Education ... ..	32,03,000	31,60,000	31,00,000
24. Medical ... ..	14,02,000	18,55,000	18,53,000
26. Scientific and other Minor Departments ... ..	3,66,000	3,45,000	3,40,000
<b>Total</b> ... ..	2,17,45,000	2,14,40,000	2,11,00,000
<i>Miscellaneous Civil Charges:—</i>			
29. Superannuation allowances ... ..	11,67,000	11,87,000	11,40,000
30. Stationery and printing ... ..	9,51,000	9,75,000	9,78,000
31. Miscellaneous ... ..	6,47,000	3,72,000	4,00,000
<b>Total</b> ... ..	27,65,000	25,34,000	25,18,000
<i>Expenditure on Productive Public Works (Revenue Account):—</i>			
36. State Railways (working and maintenance) ... ..	19,85,000	21,81,000	24,11,000
38. Irrigation and Navigation (working and maintenance) ... ..	10,84,000	10,84,000	10,49,000
39. Charges in respect of capital— a. Interest on debt— Railways ... ..	15,94,000	16,24,000	16,08,000
Irrigation ... ..	21,88,000	21,65,000	21,63,000
<b>Total</b> ... ..	68,49,000	70,54,000	72,29,000
<i>Expenditure on Public Works not classed as Productive:—</i>			
40. State Railways (Capital) ... ..	9,74,000	9,73,000	—27,57,000
41. Ditto (Revenue Accounts) ... ..	1,92,000	1,05,000	1,05,000
42. Subsidised Railways ... ..	70,000	70,000	52,000
43. Irrigation and Navigation ... ..	16,00,000	12,33,000	11,98,000
46. Civil Buildings, Roads, &c.— By Public Works Department officers ... ..	41,03,000	45,33,000	45,70,000
By Civil Department officers ... ..	59,000	40,000	31,000
<b>Total</b> ... ..	69,98,000	69,54,000	31,97,000
<b>Total under all heads</b> ... ..	4,31,06,000	4,28,25,000	3,88,64,000
Contributions ... ..	5,00,000	4,30,000	4,27,000
Closing balance ... ..	9,31,000	8,01,000	2,37,000
<b>GRAND TOTAL</b> ... ..	4,45,37,000	4,40,56,000	3,95,28,000
Provincial surplus (+) ... ..	.....	.....	.....
Ditto deficit (—) ... ..	—16,55,000	—12,17,000	—19,10,000

RECEIPTS.

12. *Land Revenue*.—The total land revenue for the year 1883-84 was originally estimated at Rs. 3,79,88,000 and the Provincial share at Rs. 1,25,91,000. The latest return from the Comptroller-General shows that the total land revenue of the Province may have amounted to Rs. 3,79,36,000, and the—

	Rs.
Provincial share at 32-2284 amounts to ... ..	1,22,26,000
To this has to be added—	
For <i>Undaunted</i> ... ..	65,000
„ Cemetery charges ... ..	8,000
„ Inter-Provincial adjustments ... ..	1,42,000
„ Charges for repairing the Nizamut buildings ... ..	5,000
„ Readjustment of survey charges debited to Provincial in the accounts of 1882-83 ( <i>vide</i> Financial order No. 1676, dated the 19th June 1884) ... ..	7,000
„ Loss in record-room receipts in consequence of their transfer from Registration to Land Revenue ... ..	15,000
„ Loss in consequence of the transfer of record-room charges from Registration to Land Revenue ... ..	36,000
One-half cost of process-serving establishments of District Committees amalgamated with those of Collectors' offices, the entire charge being adjusted under Land Revenue—Provincial—while the recoveries from the District Committees are taken in stamps ... ..	25,000
For pay of the Ophthalmic Surgeon, Medical College Hospital ... ..	6,000
Ten per cent. collection on Government estates ... ..	3,83,000
	<u>1,29,18,000</u>

From this total, however, have to be deducted—

On account of savings in Customs establishments owing to the abolition of import duty ... ..	68,000
For extension of meteorological observations ... ..	17,000
For capital expenditure on Sonarpore-Diamond Harbour line and Parbuteypore-Dinapore extension to end of 1883-84 transferred from budget head 40 (Provincial) to budget head 50 (Imperial) ... ..	37,17,000*
	<u>88,02,000</u>
Total Provincial share of land revenue ... ..	<u>91,16,000</u>

The proposal to refund to Provincial the capital laid out from Provincial funds on the Parbuteypore-Dinapore line has not met with the approval of the Government of India, but this line, as well as the Sonarpore Diamond Harbour extension, have been classed as Productive Public Works, and the outlay on them from Provincial Funds will be treated as a contribution to Imperial, and adjusted through the budget head Land Revenue in the accounts of the year 1883-84. The expenditure to end of 1882-83 will be shown in the Provincial account as a credit under 40—*State Railways capital*. The total Provincial share of Land Revenue for 1883-84 will be entered at Rs. 91,16,000, as shown above, instead of Rs. 1,28,95,000 as reported to the Government of India in March last.

13. *Salt*.—The total receipts for 1883-84 were originally estimated at Rs. 1,59,000. There has been a falling off under “Rents of warehouses” owing to the small quantity of salt in the Sulkea Golahs, and to a decrease in bonding operations. The revised estimate, as submitted to the Government of India in March last, was placed at Rs. 1,15,000, which has now been reduced to one lakh.



14. The receipts from *Stamps* and *Excise* will probably have exceeded the original estimate, but not to the extent anticipated in March last. The revised estimates now stand at Rs. 62,33,000 and Rs. 52,13,000 respectively.

15. The increase under *Provincial Rates* on the original estimate amounts to Rs. 1,71,000, and on the revised estimate, Rs. 73,000. This is due to re-valuations.

16. The revised estimate of the *Customs* receipts now amounts to Rs. 54,000 against the original estimate of Rs. 65,000. The decrease is mainly due to the abolition of the import duty.

17. The Provincial share of the Assessed Taxes will probably not have exceeded Rs. 7,59,000. The decrease is probably due to the absence of systematic re-assessment.

18. The Provincial share of the *Forest* receipts for the year 1882-83 were Rs. 3,46,979, and the actuals of the past year will probably not have amounted to more than Rs. 3,50,000, which is the same as the revised estimate of the Government of India.

19. *Registration*.—The revised estimate under this head amounts to Rs. 4,91,000, which, compared with the original estimate, shows a decrease of Rs. 30,000. The decrease is due to the transfer of record-room receipts to "Land Revenue."

20. The total receipts under "Civil Administration" will probably have aggregated Rs. 35,96,000 against the original estimate of Rs. 42,56,000 and the revised estimate of Rs. 41,09,000. The marked decrease which occurs under this head is mainly due to effect being given to the policy of the Government in discouraging the more remunerative kinds of jail manufacture which were held to compete injuriously with private local enterprise. The loss is balanced to a considerable extent by a decrease in expenditure on account of purchase of raw materials for manufacture. There is a decrease of nearly a lakh under *Law and Justice* (proper). The receipts under this head partake largely of the character of casual receipts, the regularity of which from year to year is, as it were, the balance of many chances. The receipts in 1882-83 were Rs. 8,23,809, and the revised estimate now amounts to Rs. 7,64,000.

21. *Police*.—The anticipated increase under recoveries on account of village police has not been realized, and there has been a falling off under miscellaneous receipts. The revised estimate now stands at Rs. 5,63,000 against Rs. 6,25,000, the original estimate.

22. *Education*.—The decrease under this head, compared with the original estimate, amounts to Rs. 89,000, and is mainly due to no contribution being realized from the municipalities towards the maintenance of high schools. This subject is still under consideration.

23. *Miscellaneous*.—The original estimate of Rs. 6,82,000 under this head has been reduced to Rs. 4,85,000. This large reduction is due to a change of practice by which the refunds of lapsed deposits are deducted from the amount of unclaimed deposits transferred to credit of Government, the net receipts only being shewn in the accounts.

24. *XXV. State Railways*.—The original estimate of the Financial Department, exclusive of the earnings of the Sonarpore-Diamond Harbour extension, and inclusive of the net receipts from the Patna-Gya line, was Rs. 40,83,000. The Government of India have placed the revised estimate, including the earnings of the Sonarpore-Diamond Harbour line, and the gross earnings of the Patna-Gya Railway, at Rs. 39,25,000, which is made up as follows:—

	Rs.
Northern Bengal	21,16,000
Tirhoot	9,50,000
Patna-Gya	4,70,000
Calcutta and South-Eastern Railway	3,15,000
Nulhati	80,000
Total	39,25,000

The estimate of the total earnings of the Northern Bengal State Railway, as framed by the Government of India, appears to be too low. The actuals

during the first 11 months of the year were Rs. 19,69,000, and the receipts of March 1883 were Rs. 2,55,000. The revised estimate may safely be placed at Rs. 22,00,000 in round numbers. The estimate of the Government of India will therefore be increased by Rs. 90,000, and the revised estimate of the total revenue be placed at Rs. 40,15,000. The marked decrease in the revised estimate, compared with the original estimate, is mainly due to the late opening of the Tirhoot extensions, and the failure of the jute trade in Northern Bengal.

25. *XXVII. Irrigation and Navigation.*—The original estimate under this head has been reduced by Rs. 75,000, and the revised estimate, as accepted by the Government of India, stands at Rs. 12,25,000. The receipts will probably not have exceeded Rs. 11,67,000. This amount will accordingly be taken as the revised estimate.

26. *XXIX.—State Railways.*—The original estimate under this head included the receipts from the Sonarpore-Diamond Harbour extension. The revised estimate comprises only the receipts from the Kaunia-Dhurla Railway, which has not yet been classed as a "Productive Public Works."

27. *Civil Buildings, &c., in charge of Public Works Department.*—The revised estimate, as submitted to the Government of India in March last, included an extraordinary item of four lakhs on account of the purchase money of the East Indian Railway offices in Calcutta, and of Rs. 10,000 on account of the sale proceeds of "Mount Pleasant" at Darjeeling. The sale of this building could not be effected last year, and the purchase money from the East Indian Railway Company was also not realized during that year. The revised estimate now stands at Rs. 2,00,000, which is less than the original estimate by Rs. 50,000. The decrease is due to falling off in the profits from brick manufacture at Akra owing to the charges of carriage of bricks from kiln to boats being now included in the cost of bricks.

#### EXPENDITURE.

28. *Refunds.*—There were exceptional refunds during 1883-84 in adjustment of Public Works Cess collections between 24-Pergunnahs and Khoolna, and Khoolna and Jessore. The revised estimate now stands at Rs. 1,41,000, against the original estimate of Rs. 1,13,000.

29. *Land Revenue.*—The estimate under this head has been increased from Rs. 31,58,000 to Rs. 32,97,000. The increase is due to the transfer of nearly the whole of the record-room charges from Registration to this head; to the amalgamation of the process-serving establishments of the District Road Committees with those of the Collectors; and to increase of expenditure specially under the heads of Government Estates and allowances to District Officers.

30. *Stamps.*—The revised estimate of the provincial share of expenditure amounts to Rs. 2,28,000, against the original estimate of Rs. 2,15,000.

31. *Excise.*—The decrease of Rs. 11,000 in the revised estimate, compared with the original estimate, is due to a large portion of the establishment of the Calcutta Collectorate, which was formerly debited to this head, having been transferred to Stamps. There is a corresponding increase under that head.

32. *Customs.*—The estimate under this head has been reduced from Rs. 4,96,000 to Rs. 4,82,000. The decrease is almost entirely under the head of Calcutta Custom House, and is due to the revision of the Appraising and Clerical establishments, and to the fact that one-half of the pay of the Statistical Department is now entered in the estimate for Customs publications, subordinate to Stationery and Printing.

33. *Forest.*—The revised estimate of the Government of India amounts to Rs. 2,00,000 and is adopted.

34. *Registration.*—The decrease under this head is mainly due to the transfer of record-room charges to Land Revenue. The revised estimate stands at Rs. 2,78,000, against the original estimate of Rs. 3,12,000.

35. *General Administration.*—The expenditure under this head has been steadily increasing. The revised estimate amounts to Rs. 15,43,000, against the original estimate of Rs. 14,89,000. The increase has been specially under Commissioners. The salary of the Chittagong Commissionership, which was reduced in 1875, has been raised to the same amount as that of the other Commissionerships, and three additional clerks were also sanctioned for that Commissioner.

36. *Law and Justice.*—The marked decrease under this head is under "Raw materials for jail manufactures." There has been a corresponding decrease in receipts. The revised estimate stands at Rs. 93,14,000, against the original estimate of Rs. 96,45,000.

37. *Police*.—The original estimate under this head was rather high. The revised estimate stands at Rs. 45,37,000, against Rs. 47,78,000, the original estimate. The decrease is specially under District Executive Force.

38. *Stationery and Printing*.—The expenditure under this head, exclusive of the value of stationery supplied from central stores, will probably have amounted to Rs. 4,78,000. The total revised estimate will be placed at Rs. 9,78,000.

39. *Miscellaneous*.—The revised estimate under this head now amounts to Rs. 4,00,000 against the original estimate of Rs. 6,47,000. The decrease is due to the exclusion of the refunds of lapsed deposits from the accounts.

40. *Expenditure on Productive Public Works (Revenue Account)*.—The estimates of the Government of India under this head have been accepted by the Public Works Department, Bengal, and will be retained, except that under 38, *Irrigation and Navigation*, will be reduced from Rs. 10,84,000 to Rs. 10,49,000, as it is probable that the total expenditure will not have exceeded this amount.

41. *State Railways, Capital*.—The revised estimate under this head is made up as follows:—

	Rs.
Sultanpore-Bogra Railway ... ..	2,000
Kaunia-Dhurla ... ..	60,000
Administrative charges ... ..	60,000
Behar-Assam Railway Survey ... ..	7,000
Tirhoot State Railway Extension Survey ... ..	16,000
Chittagong Railway Survey ... ..	23,000
Howrah-Ampta Railway Survey ... ..	3,700
Calcutta Central Railway Station ... ..	500
	1,81,200
Tarkessur Railway Survey ... ..	—13,000
	1,68,200
Deduct capital expenditure to end of 1882-83 on—	Rs.
Sonarpore-Diamond Harbour ... ..	22,36,000
Parbuteypore-Dinapore ... ..	6,89,000
	29,25,000
Total ... ..	—27,56,800
or in round numbers ... ..	—27,57,000

42. *Subsidised Railway*.—A provision of Rs. 70,000 was made under this head for charges for land to be taken up for the Tarkessur Railway. The whole of this amount could not be appropriated during past year. The revised estimate amounts to Rs. 52,000, or Rs. 18,000 less than the original estimate.

43. *Irrigation and Navigation*.—The revised estimate of the Government of India under *Irrigation and Navigation* is Rs. 12,33,000, inclusive of Rs. 37,000 entered against suspense account under the head "Works for which neither Capital nor Revenue accounts are kept." This amount has been transferred to "Roads and Buildings." The revised estimate under this head therefore amounts to Rs. 11,96,000, and that under *Roads and Buildings in charge of Public Works Department* has been raised from Rs. 45,33,000 to Rs. 45,70,000.

44. *Contributions*.—The total contributions to Local Funds, including those to Municipalities, will probably have aggregated Rs. 4,27,000. This amount has been entered as the revised estimate.

45. *Closing Balance*.—According to the Financial Resolution of the 3rd July 1883, the Province was expected to close the year 1883-84 with a balance of Rs. 9,31,000. According to the revised estimate now adopted, the closing balance will amount to Rs. 2,37,000. Inclusive of the balance with which the year opened, the total amount available for expenditure was according to the original estimate Rs. 4,45,37,000, and according to the revised estimate Rs. 3,95,28,000. The difference amounts to Rs. 50,09,000. The main items of this decrease are, as explained above, Rs. 4,49,000 under "Opening balance," Rs. 34,75,000 under "Land Revenue," Rs. 4,06,000 under "Jails," Rs. 1,33,000 under "Irrigation and Navigation" (direct receipts), and Rs. 1,05,000 under "XXIX—State Railways." On the other hand, the expenditure as now estimated is less by Rs. 43,15,000 than was estimated in July 1883. The chief item is Rs. 37,31,000 under "State Railways, Capital," owing to the transfer of the capital expenditure on the Sonarpore-Diamond Harbour and Parbuteypore-Dinapore lines. The net result is thus worse by Rs. 6,94,000. The greater part of this decrease in the net result occurs under the heads (1) opening balance and (2) net receipts from railways. The net

receipts from State Railways were originally estimated at Rs. 21,51,000, and their revised estimate amounts to Rs. 16,39,000. The total falling off therefore amounts to Rs. 5,12,000. The reduction, as has already been explained, is due to the failure of the jute crops in Northern Bengal and the late opening of the Tirhoot Railway Extension. The deficiency of rain in Behar also seriously affected the earnings of the Tirhoot State Railway. The decrease in the amount of the opening balance amounts to Rs. 4,49,000, and, as has been explained above, is entirely due to the excess of the actual expenditure under civil buildings and roads in charge of Public Works Department over the estimate for 1882-83. Had there been no excess in the expenditure of the Public Works Department, and had the net receipts from State Railways been up to the estimate of the Public Works Department, as all past experience seemed to indicate, the balance of the Provincial amount would have been better by Rs. 14,42,000.

## BUDGET ESTIMATE OF PROVINCIAL SERVICES FOR 1884-85.

46. The Lieutenant-Governor has already in separate Resolutions reviewed the estimates of receipts and expenditure for the current year. A brief summary only of the general character of these estimates need now be given.

47. The following are the estimates of Provincial revenue and expenditure for the current year:—

HEADS OF REVENUE.	Original estimate, 1884-85.	Estimate of the Government of India, 1884-85.	Estimate for 1884-85 as now adopted.
	Rs.	Rs.	Rs.
Opening balance	8,01,000	1,53,000	2,37,000
<b>Principal Heads of Revenue:—</b>			
I.—Land Revenue	1,84,000	1,26,94,000	1,27,71,000
III.—Salt	1,47,000	1,47,000	1,47,000
IV.—Stamps	65,00,000	63,50,000	65,00,000
V.—Excise	52,50,000	52,50,000	52,50,000
VI.—Provincial Rates	38,03,000	38,03,000	39,50,000
VII.—Customs	66,000	66,000	66,000
VIII.—Assessed Taxes	7,62,000	7,62,000	7,60,000
IX.—Forests	4,25,000	4,25,000	4,25,000
X.—Registration	5,04,000	5,03,000	5,04,000
<b>Total</b>	<b>8,02,97,000</b>	<b>3,00,60,000</b>	<b>3,03,73,000</b>
<b>Receipts by Civil Department:—</b>			
XV.—Law and Justice—			
Fees, fines, and forfeitures	8,60,000	8,60,000	8,60,000
Jails	8,55,000	8,55,000	8,55,000
XVI.—Police	6,27,000	6,27,000	6,27,000
XVII.—Marine	9,00,000	9,00,000	9,00,000
XVIII.—Education	5,41,000	5,41,000	5,41,000
XIX.—Medical	1,33,000	1,33,000	1,33,000
XX.—Scientific and other departments	1,74,000	1,74,000	1,74,000
<b>Total</b>	<b>40,90,000</b>	<b>40,90,000</b>	<b>40,90,000</b>
<b>Miscellaneous:—</b>			
XXI.—Interest	48,000	48,000	48,000
XXII.—Receipt in aid of superannuation	62,000	62,000	62,000
XXIII.—Stationery and printing	1,30,000	1,30,000	1,30,000
XXIV.—Miscellaneous	5,19,000	5,20,000	5,20,000
<b>Total</b>	<b>7,59,000</b>	<b>7,60,000</b>	<b>7,60,000</b>
<b>Revenue from Productive Public Works:—</b>			
XXV.—State Railways (gross earnings)	44,67,000	45,96,000	45,96,000
XXVII.—Irrigation and Navigation (direct receipts)	12,50,000	12,50,000	12,50,000
<b>Total</b>	<b>57,17,000</b>	<b>58,46,000</b>	<b>58,46,000</b>
<b>Receipts on account of Public Works not classed as Productive:—</b>			
XXIX.—State Railways	1,30,000	1,40,000	1,40,000
XXXI.—Irrigation and Navigation	8,40,000	8,40,000	8,40,000
XXXIII.—Civil Buildings, Roads, &c.—			
By Public Works Department officers	4,20,000	7,50,000	7,50,000
By Civil Department officers	5,11,000	5,11,000	5,11,000
<b>Total</b>	<b>19,01,000</b>	<b>22,41,000</b>	<b>22,41,000</b>
<b>Total under all heads</b>	<b>4,27,64,000</b>	<b>4,29,97,000</b>	<b>4,33,10,000</b>
<b>GRAND TOTAL</b>	<b>4,35,65,000</b>	<b>4,31,50,000</b>	<b>4,35,47,000</b>

## 1556 SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 10, 1884.

HEADS OF EXPENDITURE.		Original estimate, 1884-85.	Revised estimate of the Government of India, 1884-85.	Estimate for 1884-85 as now adopted.
		Rs.	Rs.	Rs.
<i>Direct demands on the Revenue—</i>				
3. Refunds ... ..	...	1,07,000	1,07,000	1,07,000
Charges in respect of collections—				
6. Land Revenue ... ..	...	83,17,000	83,36,000	83,23,000
7. Salt ... ..	...	19,000	19,000	19,000
8. Stamps ... ..	...	2,38,000	2,43,000	2,43,000
9. Excise ... ..	...	1,31,000	1,31,000	1,31,000
11. Customs ... ..	...	4,93,000	4,93,000	4,93,000
12. Assessed taxes ... ..	...	50,000	50,000	50,000
13. Forest ... ..	...	2,50,000	2,50,000	2,50,000
15. Registration ... ..	...	2,81,000	2,80,000	2,80,000
Total ... ..	...	48,86,000	49,00,000	48,96,000
<i>Salaries and expenses of Civil Department—</i>				
18. General Administration ... ..	...	15,43,000	15,43,000	15,43,000
19. Law and Justice—				
Judicial courts, &c. ... ..	...	77,31,000	77,31,000	77,31,000
Jails ... ..	...	19,14,000	19,14,000	19,14,000
20. Police ... ..	...	46,43,000	46,32,000	46,31,000
21. Marine (including river navigation) ... ..	...	8,95,000	8,95,000	9,07,000
22. Education ... ..	...	33,93,000	33,93,000	33,87,000
24. Medical ... ..	...	14,45,000	14,45,000	14,45,000
26. Scientific and other minor departments ... ..	...	3,25,000	3,25,000	3,60,000
Total ... ..	...	2,18,89,000	2,18,78,000	2,19,08,000
<i>Miscellaneous Civil Charges—</i>				
29. Superannuation allowances ... ..	...	12,68,000	12,68,000	12,69,000
30. Stationery and printing ... ..	...	9,87,000	9,87,000	9,87,000
31. Miscellaneous ... ..	...	3,44,000	3,44,000	3,72,000
Total ... ..	...	25,99,000	25,99,000	26,27,000
<i>Expenditure on Productive Public Works (Revenue Account)—</i>				
36. State Railways (working and maintenance) ... ..	...	24,62,000	27,15,000	27,15,000
38. Irrigation and Navigation (working and maintenance) ... ..	...	11,24,000	11,24,000	11,24,000
39. Charges in respect of capital—				
(a) Interest on debt—				
Railways ... ..	...	18,84,000	18,70,000	18,70,000
Irrigation ... ..	...	22,29,000	22,25,000	22,25,000
Total ... ..	...	76,99,000	79,34,000	79,34,000
<i>Expenditure on Public Works not classed as Productive—</i>				
40. State Railways (Capital Account) ... ..	...	2,70,000	2,70,000	2,70,000
41. Ditto (Revenue Account) ... ..	...	1,05,000	1,05,000	1,05,000
42. Subsidised Railways ... ..	...	30,000	48,000	48,000
43. Irrigation and Navigation ... ..	...	9,00,000	9,00,000	9,00,000
45. Civil Buildings, Roads and Services—				
In charge of Public Works Department officers ... ..	...	23,00,000	23,00,000	23,95,000
In charge of Civil Department officers ... ..	...	59,000	59,000	59,000
Total ... ..	...	36,04,000	36,82,000	37,77,000
Total under all heads ... ..	...	4,07,37,000	4,10,02,000	4,11,12,000
Contributions ... ..	...	7,50,000	5,00,000	5,88,000
Closing balance ... ..	...	20,78,000	16,48,000	18,17,000
GRAND TOTAL ... ..	...	4,35,65,000	4,31,50,000	4,35,17,000
Provincial surplus (+) or deficit (—) ... ..	...	+12,77,000	+14,95,000	+15,80,000

## RECEIPTS.

43. *Land Revenue.*—The original estimate under this head was Rs. 1,28,40,000. The Government of India have not sanctioned the grant of Rs. 86,000 asked for on account of building grants for European schools, nor have any orders been passed on the application for an assignment of Rs. 77,000 on account of the loss entailed on the Provincial Revenues in consequence of the transfer of record-room receipts and charges from "Registration" to "Land Revenue," and of the amalgamation of the process-serving establishments of the District Road Committees with those of the Collectors. On the other hand, the Government of India have increased the estimate of net credit on account of inter-provincial adjustment from Rs. 1,00,000 to Rs. 1,17,000, and have shown the Provincial share of land revenue for 1884-85 at Rs. 1,26,94,000. As it is not the intention of the Government of India that the Provincial Revenues should suffer any loss owing to any change of procedure in the accounts, the sum of Rs. 77,000 asked for will be added to the estimate of the Government of India, and it will be raised to Rs. 1,27,71,000.

49. *Salt.*—The total Provincial receipts under this head have been estimated at Rs. 1,47,000 against the revised estimate of Rs. 1,00,000 for the past year. There was a falling off in 1883-84 owing to the small quantity of salt in the Sulkeah Golahs. There is no reason to suppose that the amount of salt stored in the golahs will continue low during the current year, and that the receipts, though they may not come up to the large realizations in 1882-83 will fall short of the actuals of 1881-82, which amounted to Rs. 1,47,000. The original estimate has been passed by the Government of India and will stand.

50. *Stamps.*—The Government of India have reduced the local estimate of Rs. 65,00,000 to Rs. 63,50,000 with reference to the actuals of 1883-84, which will probably have aggregated Rs. 62,88,000. The receipts during the first two months of the current year showed an increase of Rs. 89,000. The total increase at this rate during 12 months may amount to Rs. 5,34,000, and the Provincial share to Rs. 2,67,000. The original estimate of Rs. 65,00,000 will be retained.

51. *Excise.*—The revised estimate for 1883-84 amounts to Rs. 52,13,000. The original estimate of Rs. 52,50,000 for the current year, which has been accepted by the Government of India, will be retained.

52. *Provincial Rates.*—The Government of India have raised the local estimate of Rs. 38,03,000 to Rs. 38,63,000. The actuals of 1883-84 will probably have aggregated Rs. 38,23,000, and were Rs. 2,16,000 in excess of those of 1882-83. The estimate for 1884-85 will be increased to Rs. 39,50,000.

53. *Assessed Taxes.*—The revised estimate of the Provincial share of these taxes for 1883-84 amounts to Rs. 7,59,000, against the original estimate of Rs. 7,75,000. The returns of the first two months of the current year do not justify an increase of receipts in 1884-85. The estimate for the current year will stand at a round sum of Rs. 7,60,000.

54. *Forest.*—The total estimated revenue under this head is Rs. 8,50,000 against Rs. 6,93,959 the actuals of 1882-83, and Rs. 7,00,000 the revised estimate for 1883-84. The increase is chiefly anticipated in the Teesta, Singbhoom, Chittagong, and Orissa Divisions.

55. *Registration.*—The total receipts under this head have been estimated at Rs. 10,07,000 against Rs. 10,39,884, the actuals of 1882-83. The decrease is due to the transfer of record-room receipts to Land Revenue. The Provincial share amounts to Rs. 5,03,500, or Rs. 5,04,000 in round numbers.

56. *Law and Justice.*—The Government of India have accepted the local estimate of Rs. 17,15,000 under this head, and it will be retained.

57. *Police.*—The estimate under this head amounts to Rs. 6,27,000 against Rs. 6,25,000, the original estimate for 1883-84. The figure will stand.

58. *Marine.*—The departmental estimate of receipts amounts to Rs. 9,30,000. This has been reduced to Rs. 9,00,000, as a decrease is anticipated under pilotage receipts owing to the present partial failure of crops, which may cause a decline in the export trade.

59. *Education.*—The total receipts of the Education Department have been estimated at Rs. 5,41,000, against the revised estimate of Rs. 5,29,000 for 1883-84. Neither the estimate for 1884-85, nor the revised estimate for 1883-84, includes any provision on account of contribution from municipalities towards



the maintenance of high schools, as the amount to be contributed by municipalities for this purpose has not yet been decided.

60. *Medical*.—The receipts in 1882-83 aggregated Rs. 1,32,934, and the estimate for the current year has been placed at Rs. 1,33,000.

61. *Scientific and other Departments*.—The estimate for 1884-85 amounts to Rs. 1,74,000, against the revised estimate of Rs. 1,85,000 for 1883-84. The revised estimate includes the balance of the allotment for the Indian Art Manufacture Exhibition of 1881-82, which was refunded during the past year, as also the sale proceeds of foals in Darjeeling. These receipts are not expected in 1884-85, and hence the decrease in the estimate for the current year.

62. *Miscellaneous*.—This general head includes receipts from—

- XXI.—Interest ;
- XXII.—Superannuations ;
- XXIII.—Stationery and Printing ; and
- XXIV.—Miscellaneous.

The total receipts under this head have been estimated at Rs. 7,60,000 against Rs. 8,17,336, the actuals of 1882-83. There has been a decrease of more than Rs. 10,000 under Superannuations owing to the return of some officers to regular duties on the release of the Cooch Behar State, and to the ruling that no recoveries should be made from the members of the Engineer establishment employed on local fund works. The decrease under Miscellaneous amounts to Rs. 34,000, and is, for the most part, due to a change of practice by which the refunds of lapsed deposits have been deducted from the amount of unclaimed deposits transferred to credit of Government, the net receipts only being shown in the accounts.

63. XXV.—*State Railways*.—The original estimate was made up thus :—

	Rs.
Northern Bengal	24,00,000
Tirhoot	14,29,000
Patna and Gya	2,41,000
Calcutta and South-Eastern	3,20,000
Nalhati	77,000
Total	44,67,000

The Government of India have reduced the estimate of receipts from the Tirhoot Railway by Rs. 1,29,000, and that of the Nalhati Railway by Rs. 1,000. On the other hand, it has included the gross receipts of the Patna and Gya line, instead of net receipts shown in the estimate of the local Financial Department. The original estimate of receipts of the Tirhoot line was too sanguine. The figures as passed by the Government of India have been adopted by the Public Works Department, and will stand.

64. XXIX.—*State Railways*.—The Government of India have increased the local estimate of receipts from the Kaunia-Dhurla line by Rs. 10,000. The figures of the Government of India will be adopted.

65. *Civil Buildings, Roads, &c., in charge of Public Works Department Officers*.—The original estimate under this head was made up as follows :—

	Rs.
Ordinary receipts	2,50,000
Net receipts from Barakar Ironworks	1,00,000
Sale proceeds of Mount Pleasant	70,000
Total	4,20,000

The negotiations for the sale of Mount Pleasant fell through ; and although fresh proposals are under consideration, it is unsafe to calculate upon their being given effect to this year. The first revised estimate for 1883-84 provided for a receipt of four lakhs, being the value of the East India Railway Offices in Calcutta, which, however, was not paid within the year. It is probable that this payment will be made during the current year. The Government of India have expressed an opinion that all except some Rs. 70,000 of this should be credited to Imperial ; but pending the settlement of this question credit will be taken for the full amount. The estimate will stand at Rs. 7,50,000.

## EXPENDITURE.

66. *Land Revenue*.—The original estimate under this head was Rs. 33,17,000. The Government of India have raised it by Rs. 19,000, that being the amount by which the estimate of survey charges have been increased. But as the whole of this increase will not fall on Provincial Revenues 82·2284 per cent. of the increase, or Rs. 6,000 in all, will be added to the original estimate, and it will stand at Rs. 33,23,000.

67. *Stamps*.—The increase on the original estimate of total expenditure under this head, provided by the Government of India, is due to a provision of Rs. 9,000 for cost of punching machines which the Superintendent of Stamps has been called upon to procure and supply to all Civil Courts. The estimate of the Government of India will be adopted, and that of the Provincial share will be increased by Rs. 5,000.

68. *Excise*.—The total expenditure under this head has been estimated at Rs. 2,62,000 against Rs. 2,67,916, the actuals of 1882-83. The decrease is due to the reduction of detective establishments in certain districts, and to the fact that a large portion of the establishment of the Calcutta Collectorate, which was formerly debited to this head, has been transferred to Stamps.

69. *Assessed taxes*.—The actual expenditure for collection of this tax in 1882-83 amounted to Rs. 94,833, and the estimate for next year, including a provision of Rs. 3,000 on account of the special allowances sanctioned for the Collector of Calcutta, stands at Rs. 1,00,000. One-half of this amount is Provincial.

70. *Forest*.—The estimate for next year amounts to Rs. 2,50,000, against Rs. 2,00,000 for 1883-84. The increase is mainly due to the extension of the Goombatta cart road in Darjeeling, and to the revision of the superior staff of the department.

71. *Registration*.—The Provincial share of expenditure under this head for 1884-85 has been estimated at Rs. 2,80,000 against Rs. 2,78,000, the revised estimate for 1883-84. An increased provision has been made on account of new establishments required in some districts to re-write the general register No. 1. In many districts the clerical work was very badly done, and much re-writing of registers will be needed.

72. *General Administration*.—The expenditure under this head has continued to increase. The actuals of the past four years were:—

	Rs.
In 1879-80	14,56,004
" 1880-81	14,70,321
" 1881-82	14,71,855
" 1882-83	15,10,408

The revised estimate for 1883-84 amounts to Rs. 15,43,000, and the estimate for 1884-85 has been placed at a like amount. The Government of India have approved a proposal to assign a yearly allotment of Rs. 34,000 for tour expenses, and certain items of household expenditure, of the Lieutenant-Governor. This has been included under "Staff and Household of the Lieutenant-Governor," and the provision for "tour expenses" will only comprise charges of the civil Secretariat accompanying His Honour on tour.

73. *Law and Justice*.—The Government of India have accepted the local estimate under this head, amounting to Rs. 96,45,000, viz. Rs. 77,31,000 for Judicial Courts, &c., and Rs. 19,14,000 for Jails. The estimates will be retained.

74. *Police*.—A lump deduction of Rs. 11,000 has been made by the Government of India from the estimate of charges on account of the district executive force, and the estimate of that Government now stands at Rs. 46,32,000. A sum of Rs. 1,000 has been transferred from this to Civil Buildings and Roads for the conversion of the old detached jail buildings at Rungpore into Police lines. The estimate will stand at Rs. 46,31,000.

75. *Marine*.—The original estimate under this head has been increased by Rs. 12,000 to meet the excess of expenditure over the receipts of the Malasore Port Fund, which is adjusted under this head.

76. *Education*.—The original estimate under this head was Rs. 33,93,000. A sum of Rs. 6,505 has been transferred from this head to Public Works for re-constructing the Chupra school building. The estimate now stands at a round sum of Rs. 33,87,000.

77. *Scientific and other Minor Departments.*—The estimate under this head has been increased by Rs. 35,000 on account of art-ware and glass cases purchased from the Calcutta International Exhibition. Against this increase a reduction of Rs. 10,000 will be made, as Mr. Risley's deputation on census work will extend only over five months during the current year. The total grant under this head will stand at Rs. 3,50,000.

78. *Miscellaneous.*—The estimate under this head has been increased from Rs. 3,44,000 to Rs. 3,72,000 to meet the following additional grants:—

	Rs.
(1) Grant to the Moorgeehatta Roman Catholic Male Orphanage	15,000
(2) Grant to St. Vincent's Home, Kidderpore	12,000
(3) Sailor's Home	1,200
<b>Total</b>	<b>28,200</b>

79. *State Railways.*—The original estimate under this head was made up thus:—

	Rs.
Northern Bengal State Railway	14,00,000
Tirhoot	7,90,500
Patna-Gya	55,500
Nalhati	55,500
Calcutta and South-Eastern	2,10,000
<b>Total</b>	<b>24,02,000</b>

The estimate of the Tirhoot Railway has been placed at a round sum of Rs. 8,00,000, and that of the Nalhati line at Rs. 56,000. The estimate of the Calcutta and South-Eastern has been reduced by Rs. 10,000. The Government of India have further included in the estimate the gross charges of the Patna-Gya line, and the total now amounts to Rs. 27,15,000, which will stand.

80. *Interest.*—The estimate of the Government of India has been framed with reference to later information, and will be adopted. The estimate now stands at Rs. 40,95,000.

81. *State Railways (Capital).*—The budget estimates provide for the following expenditure:—

	Rs.
Sultanpore-Bogra	1,10,000
Kaunia-Dhurla	10,000
Administrative charges	75,000
Bohar-Assam Railway Survey	20,000
Tirhoot Extension Survey	5,000
Chittagong Railway Survey	25,000
Reserve	25,000
<b>Total</b>	<b>2,70,000</b>

82. *Subsidized Railway.*—The Government of India have raised the local estimate under this head from Rs. 30,000 to Rs. 48,000. The revised estimate for 1883-84 shows a decrease of Rs. 18,000 compared with the original estimate for that year. This anticipated saving in 1883-84 has been added to the estimate for 1884-85. The estimate of the Government of India will stand.

83. *Civil Buildings in charge of Public Works Department.*—The estimate under this head has been increased by Rs. 95,000 to meet the following additional charges:—

	Rs.
(1) For additions and alterations in the Civil Engineering College at Shibpore	30,000
(2) Converting the old detached jail buildings at Rungpore into police lines—transferred from the Police budget	1,058
(3) For the construction of a house for the Anglo-Hindu School, Darjeeling	675
(4) For purchase of new furniture for the Shrubbery	10,000
(5) For additions and alterations to the Calcutta Madrasah	2,000
(6) For re-constructing the Chupra school building—transferred from the Education budget	6,505
(7) For the completion of the Secretariat buildings at Darjeeling	45,000
	<b>95,238</b>

84. *Contributions.*—A provision of Rs. 7,50,000 was originally made for contribution to local purposes of all kinds. Out of this amount the following transfers have been made to revenue heads:—

	Rs.
Marine	12,000
Minor Departments	35,000
Miscellaneous	28,000
Public Works	87,000
	<b>1,62,000</b>

The estimate under this head will be reduced by Rs. 1,62,000.

85. The *Closing Balance*, according to the estimate now adopted, amounts to Rs. 18,17,000, which is Rs. 1,83,000 less than the minimum balance fixed for the Government of Bengal. This balance would have been obtained had it not been for the partial failure of crops which rendered it unsafe to estimate for the full development of receipts under Excise, Marine, &c. It is hoped that, if the circumstances continue normal, the closing balance on 31st March 1886 will be above the minimum balance.

#### INCORPORATED LOCAL FUNDS.

86. The following table exhibits in one view the actual receipts and expenditure of the incorporated local funds for 1882-83; the revised estimates for 1883-84, framed with reference to the approximate figures for 12 months furnished by the Accountant-General in his statement for March 1884; and the estimates for 1884-85:—

RECEIPTS.	Accounts 1882-83.	Revised esti- mate 1883-84.	Original estimate, 1884-85.	Estimate of the Govern- ment of India, 1884-85.	Estimate, 1884-85, as now adopted.
	Rs.	Rs.	Rs.	Rs.	Rs.
Opening balance ... ..	15,96,075	14,92,000	14,74,000	17,02,000	18,44,000
District Road Fund ... ..	48,00,588	42,91,000	39,01,000	37,52,000	37,61,000
Ditto Account ... ..	25,888	4,000	10,000	2,000	2,000
District Post Fund ... ..	3,55,724	3,49,000	3,25,000	3,25,000	3,25,000
Inland Labour Transport Fund ... ..	68,102	90,000	52,000	73,000	52,000
Total ... ..	53,41,306	47,37,000	42,88,000	41,52,000	41,40,000
Contributions ... ..	2,88,000	3,16,000	1,99,000	5,00,000	4,00,000
GRAND TOTAL ... ..	72,21,014	65,46,000	69,61,000	63,54,000	63,84,000

  

CHARGES.	Accounts, 1882-83.	Revised estimate, 1883-84.	Estimate, 1884-85, as originally framed.	Estimate, 1884-85, of the Government of India.	Estimate, 1884-85, as now adopted.
	Rs.	Rs.	Rs.	Rs.	Rs.
District Road Fund ... ..	52,61,471	42,63,000	46,37,000	44,97,000	44,97,000
Ditto Account ... ..	77,422	61,000	67,000	57,000	57,000
District Post Fund ... ..	3,16,993	3,22,000	3,39,000	3,34,000	3,34,000
Inland Labour Transport Fund ... ..	51,851	55,000	65,000	66,000	66,000
Total ... ..	57,07,737	47,01,000	61,02,000	49,54,000	49,54,000
Contribution ... ..	21,754	.....	.....	.....	.....
Closing balance ... ..	14,91,553	18,44,000	8,59,000	14,00,000	14,30,000
GRAND TOTAL ... ..	72,21,044	65,45,000	69,61,000	63,54,000	63,84,000

87. The estimate of the Government of India provides for a net credit of Rs. 10,000 under "Deposits and Advances," instead of Rs. 8,000 shown in the original estimate. In other respects the figures of the Accountant-General, as they were originally submitted to the Government of Bengal, have been accepted, except that the estimate of capitation fees under the Inland Emigration Act has been raised from Rs. 20,700 to Rs. 40,700 with reference to the actuals of 1882-83, which amounted to Rs. 35,438. As the capitation fee was reduced by the Chief Commissioner of Assam from one rupee to eight annas, the estimate of the Accountant-General, amounting to Rs. 20,700, was adopted by the Lieutenant-Governor, and it will be retained. The Accountant-General's estimate of "interest" on arrears of road cess was raised from Rs. 81,000 to Rs. 40,000, the actuals of 1882-83 having amounted to Rs. 39,763. The increased provision will remain in the budget. The estimate of expenditure of the Government of India, which very nearly corresponds with that of the local Government, is accepted.

88. The following table exhibits the figures of the estimate for 1884-85 in order of service heads:—

RECEIPTS.	Original estimate 1884-85.	Estimate of the Government of India, 1884-85.	Estimate, 1884-85, as now adopted.
	Rs.	Rs.	Rs.
Opening balance ...	14,74,000	17,02,000	18,41,000
VI.—Provincial rates ...	38,37, 00	39,37,000	38,37,000
XII.—Post office ...	20,000	20,000	20,000
XX.—Scientific and other minor departments ...	52,000	73,000	52,000
XXI.—Interest ...	40,000	31,000	40,000
XXIV.—Miscellaneous ...	1,70,000	1,70,000	1,70,000
XXXI.—Irrigation and Navigation ...	11,000	11,000	11,000
XXXIII.—Civil Buildings, Roads and Services ...	.....	.....	.....
Total ...	41,36,000	41,42,000	41,30,000
Contribution ...	1,99,000	5,00,000	4,00,000
Debt heads ...	1,58,000	10,000	10,000
Grand Total ...	59,61,000	63,54,000	63,84,000
EXPENDITURE.			
3. Refunds and drawbacks ...	31,000	31,000	31,000
10. Provincial rates ...	2,47,000	2,47,000	2,47,000
15. Post office ...	3,31,000	3,32,000	3,32,000
18. General administration ...	1,26,000	1,26,000	1,26,000
24. Medical ...	15,000	14,000	14,000
26. Scientific and other minor departments ...	50,000	52,000	52,000
30. Stationery and printing ...	32,000	32,000	32,000
31. Miscellaneous ...	25,000	25,000	25,000
46. Civil Buildings, Roads and Services ...	40,95,000	40,95,000	40,95,000
Debt heads ...	49,52,000	49,54,000	49,54,000
Closing balance ...	1,50,000	.....	.....
Grand Total ...	59,61,000	63,54,000	63,84,000
Local surplus (+) or deficit (—) ...	—6,16,000	—3,02,000	—4,14,000

89. *Contribution.*—A sum of Rs. 7,50,000 was reserved for contribution to local purposes of all kinds during the current year. Out of this amount Rs. 1,62,000 has already been transferred to Public Works and other heads, and Rs. 2,55,000 assigned to district road and other incorporated local funds. A sum of Rs. 4,00,000 will be provided in the budget of these funds to cover the assignments already made, or are likely to be made, during the current year. There would still remain Rs. 1,88,000 on account of grants for other purposes.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

TRIALS OF FIBRE-EXTRACTING MACHINES.

REVENUE DEPARTMENT.—MISCELLANEOUS (F)

*Darjeeling, the 5th September 1884.*

RESOLUTION.

READ—

Letter No. 641Ex., dated 24th June 1884, from the Secretary to the Government of India, Revenue and Agricultural Department, to the Secretary to the Agri-Horticultural Society of India.

Letter No. 817Ex., dated 30th July, from the Secretary to the Government of India, Revenue and Agricultural Department, to the Government of Bengal.

Letter No. 829Ex., dated 5th August, from the Secretary to the Government of India, Revenue and Agricultural Department, to the Government of Bengal.

During the recent Calcutta Exhibition, trials were made, at the suggestion of the Government of India, of certain fibre-extracting machines then in the Exhibition. Partly owing to the difficulty of procuring all the fibres which it was desired to test, and partly from the defects of the machines then available, no conclusive results were arrived at. It is now proposed to renew the experiments under more favourable conditions, with the assistance of the Agri-Horticultural Society of India, which has been asked to supply the requisite fibres. The objects in view are—

- (i) To secure such a competitive trial of machines and processes for the extraction of Indian fibres as may lead to the introduction into this country of a cheap, simple and portable fibre-extracting machine.
- (ii) To obtain the opinion of experts in India and in Europe as to the value of the fibres obtained by the trials, and the uses to which they can be put.

The experiments will be carried out in Calcutta on the 15th October and following days, under the management of Mr. J. W. Hanlon, Superintendent of Jail Manufactures, assisted by Mr. Liotard of the Revenue and Agricultural Department of the Government of India, whose services have been placed at the disposal of this Government with effect from the 15th September. Stems and other fibrous portions of fibre-bearing plants or trees, and as far as possible motive power, will be provided by Government. Intending competitors are invited to place themselves in communication with Mr. Hanlon at the office of the Inspector-General of Jails not later than the 1st October next, and to state on which fibrous plants they wish to experiment, and to what extent, in order that arrangements may be made for providing sufficient quantities of material to be operated on.

If the number of machines entered is sufficient to produce a satisfactory competition, the Government will be prepared to award a sum of Rs. 2,000 in prizes, the respective amounts of which will be subsequently determined.

ORDER.—Ordered that this Resolution be published in the *Calcutta Gazette*, and that copies be forwarded to the Government of India, Revenue and Agricultural Department, the Agri-Horticultural Society of India, the Superintendent of Jail Manufactures, and Mr. Liotard, for information.

By order of the Lieutenant-Governor of Bengal,

A. P. MacDONNELL,

*Secretary to the Government of Bengal.*



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 6th September 1884.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
BENGAL.			
Western Districts.			
BURDWAN DIV.	1 Burdwan, Sept. 6 '84	8.09	Weather—heavy rain on the night of the 4th at Burdwan and at Raneegunge. The rain was very local, scattered, and inadequate. The rain at Burdwan and Raneegunge will prove very beneficial. Transplanted paddy, though in many places suffering, is still capable of restoration by copious fall of rain. The very considerable untransplanted areas are a more serious matter. Transplanting still going on wherever rendered possible by rain. Price of rice high, but not higher than last week. Public health good.
	Cuttack	2.66	
	Cuttack	1.10	
	Raneegunge	1.91*	
	2 Bankoora, " 6	0.85	Weather—rainy. Heavy shower at the beginning, and especially at the close of the week, which have done much good to paddy crops. All other crops flourishing. Prices falling in some places in consequence of late rain. <i>Telko</i> and <i>chali</i> paddy, Indian-corn, and millets being generally reaped, and <i>aus</i> ripening. General health good.
	Bishenpore	4.05	
	Malinra	2.16	
	Khatira	4.37	
	3 Boorbhoom, " 6	5.45	Weather—warm and cloudy, with intervals of sunshine. The rainfall during the week has done much good to standing crops. Transplanting still going on. Sugarcane doing remarkably well. Price of rice almost stationary. Public health good.
	Kampore Hant	2.77	
	4 Midnapore, " 6	3.38	Weather—cloudy and rainy. <i>Aus</i> crop generally harvested. Prospects of <i>amun</i> much improved by late abundant rain. Public health fair.
	5 Hooghly, " 6	4.25	Weather—seasonable. The rain during the week has materially improved condition and prospects of crops. There is now no immediate cause for anxiety. If the rains be favourable for the rest of the year, a fair average-crop may be reaped. Prices steady. Health of the district fair for the season of the year.
	Serampore	3.28	
	Jehsabad	1.66	
Howrah, " 8	6.73	Weather—rainy. Heavy rain during three days of the week. Prospects of crops on the whole favourable and in some parts of the district excellent. <i>Aus</i> paddy and jute are being reaped. Cold-weather paddy promises well. Public health good.	
Oolcoberiah	4.14		
Central Districts.			
PRESIDENCY DIV.	6 24-Pergunnahs Sept. 8 '84	12.71	Weather—cloudy with very heavy rain throughout the week. Harvesting of <i>aus</i> , and cutting and steeping of jute still continue. Sugarcane doing well. Transplanting of <i>amun</i> nearly finished. Prospects very good. Public health good.
	7 Nudda, " 6	3.48	Weather—cloudy and rainy. Harvesting of <i>aus</i> nearly completed, with an outturn not very favourable, especially in thanah Gangnee, sub-division Moherpore. There were floods in the Kushtia sub-division for a day or two, which are now subsiding, but which have done some injury to <i>amun</i> . Want of rain for this crop has been felt in many places, and a fair crop can only be expected. In some parts winter crops are being sown. Fever continues.
	Koochta	2.27	
	Meherpore	3.28	
	Choudhanga	1.84	
	8 Khoolna, " 6	11.06	Weather—cloudy with heavy rain. <i>Aus</i> harvest good and <i>amun</i> nearly transplanted. The recent rain is expected to do good.
	9 Jessore, " 6	6.74	Weather—rainy. <i>Aus</i> crop is estimated to yield an outturn of 10 annas. The rain that fell during the week has benefited <i>amun</i> crop. Mortality from fever reported from Bongong.
	Jhenida	3.41	
	Magoorah	4.06	
	10 Moorshedabad, " 6	2.04	Weather—stormy on one day; the rest of the week fine. <i>Aus</i> cutting about finished; the yield being 8 annas at most. With good rain during this month and next, <i>amun</i> may be an eight-anna crop; but in no case has the full amount been planted out, and in some villages only two annas have been transplanted. Tanks where left to themselves are half empty and water will be scarce. Prices rising and prospects critical.
	Kandi	0.28	
	Jungipore	0.58	
	Laibagh	2.17	
	11 Dinapore, Sept. 5 '84	.50	Weather—warm with slight showers of rain. Scanty rain has no doubt damaged transplanting, but <i>aus</i> cultivation has been greatly extended this year, and with very good results. There have been 12 annas of <i>amun</i> transplanted in the south and east of the district, and if rainfall, which, though scanty in the head-quarters station, was fair in those parts of the district, continues, prospects will be good. Accounts not so good from the west of the district.
	12 Rajshahy, " 6	3.68	Weather—cloudy. Good rain fell on the 5th and 6th instant in the Sudder sub-division and has done much good. Inundations have benefited other parts. Prospects of <i>amun</i> improved. <i>Aus</i> harvesting nearly finished. Jute-cutting going on. Health generally good.
		Natore	
Nowgong	.74	Weather—hot and cloudy, with very little rain. Prospects of <i>amun</i> crop doubtful. Transplanting being much checked and delayed for want of sufficient rain. Prices have risen slightly, and there is a tendency to rise further. Malarious fever prevailing at the head-quarters station.	
13 Rangpore " 6	.73		
Nitahumari	.64		
Kurigram	1.22	Latter half of the week squally, with very light showers. Rainfall continues extremely deficient. <i>Amun</i> paddy suffering much. Condition of crops is a matter of anxiety.	
14 Bogra, " 6	.53		
15 Pubna, " 6	5.47	Weather—hot. Prospects of crops good. More rain wanted. Health good.	
16 Darjeeling, " 6	2.13	Weather—unseasonably fine and cold, with occasional high winds. Prospects of crops good except tea, which is below the average.	
17 Julpigoree, " 6	.91	Weather—bright days, with occasional fog in the morning. Prospects of crops favourable everywhere. <i>Bhadai</i> harvest almost completed. Transplanting of late paddy nearly finished. Common rice selling at 13 seers per rupee. Health good.	

\* Exclusive of the rainfall of the 4th instant.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL—consolid.</b>			
<i>Eastern Districts.</i>			
<b>Dacca Div.</b>	18 Dacca, Sept. 6 '84	4.31	Weather—seasonable. Prospects of crops generally good. Cutting of jute and <i>aus</i> paddy continues. Sowing of <i>kalai</i> commenced, but <i>amun</i> on high ground failing for want of rain. Water rising. Public health generally good.
	Manickgonge ...	1.08	
	Moonsheegunge ...	2.23	
	Naraingonge ...	5.18	
	19 Farreedpore, " 6 "	4.63	Weather—changeable; generally stormy and gloomy. State and prospects of <i>amun</i> improved, and now good. Sugarcane also good. Jute-steeping progressing briskly. Public health generally good. Rivers high.
	Gaulundo ...	2.27	
	Madaripore ...	5.03	
	20 Backergunge, " 4 "	7.15	Weather—seasonable. <i>Aus</i> crop being reaped. Transplanting of <i>amun</i> going on. The late rains have done much good. Prospects of crops fair. Fever still prevalent in some parts of the sub-division of Perozpur.
	21 Mymensingh, " 5 "	3.41	Weather—strong south-easterly winds prevail, with occasional showers of rain. Cutting of <i>aus</i> paddy and jute continues. More rain wanted over the greater part of the district.
	Jamshapore ...	.73	
<b>CHITTAGONG Div.</b>	Kishoregonge ...	1.95	
	Attia ...	.48	
	Netrokona ...	5.98	
	22 Chittagong, Sept. 8 '84	7.71	Weather—seasonable. Prospects of crops fair. Transplanting still continues. Prices stationary. Sporadic cases of cattle-disease still reported.
	23 Noakhally, " 5 "	8.72	Weather—frequently cloudy and rainy at short intervals. Reaping of <i>aus</i> crop nearly completed. Transplanting of <i>amun</i> continues. Late rain has done much good to agricultural operations. Sporadic cases of cholera reported.
	Fenny (up to 4th instant.) ...	4.20	
	24 Tipperah, " 5 "	5.29	Weather—showery, with occasional heavy rain. The rain that fell during the week removed all present cause of anxiety; throughout the district rain has fallen in abundance. Public health good.
	Brahmunbariah ...	3.26	
	Chandpore ...	5.30	
	25 Chittagong Hill Tracts, " 3 "	1.71	Weather—hot and close. Heavy showers during the week. Prospects of <i>joom</i> crops somewhat gloomy owing to scanty rainfall. Sugarcane doing well. Cotton prospects excellent. <i>Joom</i> paddy being cut. Transplanting of <i>amun</i> still continues.
<b>PATNA Div.</b>	Hill Tipperah " 3 "	1.92	Weather—yet too dry for the season. More rain still wanted. <i>Amun</i> paddy still being transplanted. <i>Joom</i> paddy being reaped. Public health good.
	26 Patna, Sept. 6 '84	0.02	Weather—hot. Harvesting of <i>bhadoi</i> crops going on. New <i>makai</i> being brought into the market for sale. Paddy which has already been transplanted looks well, but it wants more rain. With the exception of the Behar sub-division, where cholera still prevalent, public health good.
	Behar ...	.84	
	Barh ...	.05	
	27 Gya, " 6 "	0.45	Weather—cloudy, with strong but variable winds, mostly from the east. <i>Bhadoi</i> in some places very good; in others very bad. Altogether fair. Transplanting of paddy stopped in the east for want of water. In other parts it is going on pretty well. Rain badly wanted everywhere. Prices falling slightly.
	Jehanabad ...	0.44	
	Nowada ...	0.44	
	Aurangabad ...	0.19	Health fair, though cholera, small-pox, and fever still reported.
	28 Shahabad, " 6 "	.60	Weather—hot and cloudy. Prospects of paddy depending entirely upon future rainfall. Canal irrigation has been resorted to where practicable. Harvesting of early <i>bhadoi</i> commenced.
	Sassaram ...	1.6	
<b>BHAGULPORE Div.</b>	Buxar ...	.49	
	Blubua ...	1.35	
	29 Durbhanga, " 6 "	.80	Weather—cloudy; sometimes drizzling. Prospects in Madhubani improving. In Tajpur rain badly wanted for paddy already sown. In the Sudder sub-division prospects very bad. Prices falling slightly. Public health good.
	Madhubani ...	2.42	
	Tajpur ...	1.24	
	30 Mozuffarpore, " 6 "	0.50	Weather—almost rainless, though there is a good deal of cloud. <i>Bhadoi</i> harvest in progress. Condition of paddy crop owing to deficient rainfall poor and unpromising. Transplanting entirely stopped, and the time for it almost gone. Public health good.
	Sitamarhi ...	Nil	
	31 Saran, " 6 "	.38	Weather—generally sunny and sultry, occasionally cloudy. The rain that fell during the week was insufficient and was unequally distributed. Prospects of <i>bhadoi</i> crops generally favourable, but those of paddy crops are dependent on further rain, which is much required. Manufacture of indigo kenti (second cuttings) in progress. Prices steady. Sporadic cases of cholera reported from Saran sub-division; otherwise public health good.
	Sowno ...	2.93	
	Gopalgonge ...	.43	
<b>BHAGULPORE Div.</b>	32 Champaran, " 6 "	.07	Weather—hot and cloudy, with easterly winds. Transplanting of paddy continues in places in which there is sufficient water, but it has stopped for want of rain in places where irrigation is impracticable. Rain very much wanted everywhere. Prices steady. Cases of cholera and fever reported from the interior. Otherwise public health on the whole good.
	33 Monghyr, Sept. 6 '84	.51	Weather—overcast; east winds with occasional light showers. More rain required for <i>aghani</i> paddy. Prospects still continue good. Prices steady. Public health good.
	Jamui ...	.25	
	34 Bhagulpore, " 6 "	.23	Weather—cloudy, with light showers. Harvesting of <i>bhadoi</i> almost over with poor returns. Returns of <i>murewa</i> good. Prospects of paddy not good owing to want of rain for transplanting. Prices of rice about 11 seers in the south, and 20 seers in the north of the district.
	35 Purneah, " 6 "	0.61	Weather—slightly showery. Prospects of <i>aghani</i> very poor. Much more rain wanted. Health not very good. Kosi and Mohanunda rivers high. Gauges falling.
	Kisengunge ...	0.72	
	Arrareah ...	1.30	
	36 Maidah, " 6 "	0.19	Weather—hot, with occasional clouds. Rain being insufficient, condition of winter paddy in the Barenda has not much improved. Prices of food-grains stationary. General health good.
	37 Sonthal Pergah, " 6 "	3.27	Weather—stormy since the 3rd. The recent rain has been general and has done immense good. Prospects now much brighter everywhere. Standing crops looking well everywhere.
	Droghar ...	.88	
	Godda ...	0.64	
	Rajmehal ...	.77	
	Jamara ...	1.82	
	Pakour ...	1.82	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>ORISSA.</b>			
Orissa Div.	28 Cuttack, Sept. 5 '84	1.88	Weather—cloudy. <i>Beali</i> being harvested. <i>Sarad</i> on high land partially damaged for want of sufficient rain. Price of rice again rising. Common rice selling at 15 to 18 seers per rupee in town. Ordinary fever prevailing in some parts of the district; also a few cases of cholera. Rivers rose again, but are falling.
	59 Poorva, Khorda " 4 "	1.22 4.19	Weather—cloudy and gloomy. Transplanting and weeding of <i>sarad</i> paddy going on. Early paddy ( <i>beali</i> ) being harvested. Agricultural operations have been retarded in pergunnahs Malood and Bagrakol for want of rain. Certain insects called <i>kaldi gundi</i> have appeared and are damaging to some extent, crops in pergunnah Kotrahang, Lumbai and Seral. Miscellaneous crops doing well. Common rice selling at an average of 21 seers 11 chittacks in the Sudder sub-division. 22 seers 8 chittacks in Khorda. Public health good.
	60 Balasore " 8 "	26	Weather—cloudy, with little rain. Hooping of <i>beali</i> continues. Prospects of <i>sarad</i> generally favourable. Price of rice stationary. Public health good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
41 Hazaribagh.	Sept. 6 '84	.....	Not received.
42 Lohardugga, Palamew (27th August to 2nd Sept. 1884.)	" 5 "	3.57 2.20	Weather—seasonable. There has been a favourable amount of rain during the week, and prospects of crops continue good. Within the Palamew sub-division prices have fallen more or less everywhere, but are stationary within head-quarters sub-division. Cholera, small-pox, and fever reported from a few places.
43 Singbhoom,	" 5 "	0.55	Rain was general, but more wanted. Millet and Indian-corn yielded full crops. Pulses and early paddy on high lands being cut with good outturn. All other crops promise well. Public health good.
44 Manbhoom, Govindpore	" 6 "	4.07 0.60	More or less rain reported from most stations in the interior. In Govindpore, up to 3rd instant, weather unseasonably dry. Gathering of autumn crops continues, with good outturn. Coarse rice sold on the 6th instant in the Purulia market at 17½ seers per rupee.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 9th September 1884.COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

## STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—

NAMES OF MERCHANTS.	1st week of Sept. 1883.	1st week of Oct. 1883.	1st week of Nov. 1883.	1st week of Dec. 1883.	1st week of Jan. 1884.	1st week of Feb. 1884.	1st week of March 1884.	1st week of April 1884.	1st week of May 1884.	1st week of June 1884.	1st week of July 1884.	1st week of August 1884.	1st week of Sept. 1884.
Bala ghats	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000	Mda. 4,65,000
Calcutta	Mda. 1,05,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000	Mda. 75,000
Calcutta, Gubbaree, Coomart, Hattibola, and Gully Ghats	Mda. 2,80,000	Mda. 1,97,700	Mda. 7,46,200	Mda. 7,76,000	Mda. 6,82,300	Mda. 6,97,700	Mda. 8,66,700	Mda. 7,76,000	Mda. 7,76,000	Mda. 7,76,100	Mda. 8,23,100	Mda. 7,76,000	Mda. 8,23,100
Featherhausa, Patta, and Jorabagan.	Mda. 11,700	Mda. 14,300	Mda. 8,000	Mda. 8,700	Mda. 10,000	Mda. 13,000	Mda. 10,400	Mda. 8,400	Mda. 8,700	Mda. 6,500	Mda. 7,000	Mda. 7,000	Mda. 6,500
Tollymore, Chittah, Kilderpore, and Moolthiung.	Mda. 1,14,000	Mda. 1,39,500	Mda. 91,300	Mda. 98,200	Mda. 88,700	Mda. 1,30,400	Mda. 1,50,900	Mda. 1,47,150	Mda. 1,31,500	Mda. 1,39,250	Mda. 1,30,800	Mda. 1,34,800	Mda. 1,14,000
21 Minor Bazaar (estimated) ...	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000	Mda. 2,40,000
Other retail shops, 2,129 in number (estimated).	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000	Mda. 2,50,000
Moolyabetty, Newabanza, Shidhraman, and Chander-nagore.	Mda. 10,000	Mda. 20,000	Mda. 18,000	Mda. 8,475	Mda. 8,700	Mda. 10,112	Mda. 7,713	Mda. 24,067	Mda. 13,350	Mda. 19,105	Mda. 16,000	Mda. 21,007	Mda. 24,000
Total	Mda. 20,92,707	Mda. 20,92,713	Mda. 18,10,219	Mda. 18,78,975	Mda. 18,50,000	Mda. 18,68,913	Mda. 20,50,000	Mda. 21,85,387	Mda. 22,71,000	Mda. 23,09,558	Mda. 23,43,500	Mda. 24,14,907	Mda. 24,08,500
On Railway premises on both sides of the river.	Mda. 2,680 (on 3rd Sept. 1883.)	Mda. 4,014 (on 2nd Oct. 1883.)	Mda. 272 (on 3rd Nov. 1883.)	Mda. 285 (on 3rd Dec. 1883.)	Mda. 1,040 (on 3rd Jan. 1884.)	Mda. 2,360 (on 4th Feb. 1884.)	Mda. 5,116 (on 3rd March 1884.)	Mda. 1,560 (on 3rd April 1884.)	Mda. 1,904 (on 3rd May 1884.)	Mda. 650 (on 4th June 1884.)	Mda. 590 (on 3rd July 1884.)	Mda. 1,892 (on 4th Aug. 1884.)	Mda. 178 (on 4th Sept. 1884.)
On boats and warehouses re-ported ...	Mda. 45,000 (on 3rd Sept. 1883.)	Mda. 50,211 (on 2nd Oct. 1883.)	Mda. 27,805 (on 3rd Nov. 1883.)	Mda. 29,090 (on 3rd Dec. 1883.)	Mda. 84,196 (on 3rd Jan. 1884.)	Mda. 1,76,330 (on 4th Feb. 1884.)	Mda. 1,06,858 (on 3rd March 1884.)	Mda. 40,734 (on 3rd April 1884.)	Mda. 25,074 (on 3rd May 1884.)	Mda. 13,046 (on 3rd June 1884.)	Mda. 24,638 (on 3rd July 1884.)	Mda. 23,475 (on 3rd Aug. 1884.)	Mda. 68,244 (on 3rd Sept. 1884.)
Grand Total of Stocks ...	Mda. 21,37,707	Mda. 21,37,713	Mda. 18,44,006	Mda. 17,32,620	Mda. 18,54,387	Mda. 20,97,655	Mda. 22,56,858	Mda. 24,36,179	Mda. 24,96,319	Mda. 23,31,161	Mda. 23,98,076	Mda. 24,63,944	Mda. 24,77,038
Probable stock available for exportation by sea.	Mda. 11 lakhs.	Mda. 11 lakhs.	Mda. 8 lakhs.	Mda. 6 lakhs.	Mda. 6 lakhs.	Mda. 10 lakhs.	Mda. 17 lakhs.	Mda. 14 lakhs.	Mda. 14 lakhs.	Mda. 14 lakhs.	Mda. 14 lakhs.	Mda. 11 lakhs.	Mda. 14 lakhs.

STATISTICAL DEPARTMENT,  
The 8th September 1884.COLMAN MACAULAY,  
Secretary to the Govt. of Bengal.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.		DISTRICTS.	RETAIL SALE.—QUANTITIES PER RUPEE BY																									
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULGUR MILLET— CUMBOO, BAJRA.			GRASS MILLET— CHOLU, JOWAR.										
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.								
BENGAL.																												
Western Districts.																												
1	Bardwan	15 0	14 8	15 0	22 8	22 0	22 8	11 0	11 4	17 8	14 0	13 8	22 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankura	15 0	15 8	13 0	16 0	16 0	16 0	12 8	12 8	20 0	15 0	15 0	26 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Barrbhoom	16 8	16 8	16 8	...	...	...	12 0	12 0	16 8	13 8	13 8	21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	12 0	12 0	13 0	20 0	20 0	17 0	14 0	14 0	17 0	18 0	18 0	24 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hoochly	15 0	15 0	13 0	...	...	...	8 0	8 0	9 0	12 8	12 4	17 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Howrah	14 0	14 0	13 4	...	...	...	14 8	11 4	13 8	13 4	13 4	17 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																												
7	Calcutta	17 10	17 10	15 5	26 12	27 0	30 10	8 8	8 8	10 12	10 12	11 0	16 0	11 8	13 0	21 5	11 7	13 0	23 0	...	...	...	...	...	...	...	...	...
8	24-Pargunnahs	14 0	14 0	13 8	17 8	17 8	17 12	8 0	8 0	8 0	13 5	14 8	14 0	...	...	13 5	...	...	...	...	...	...	...	...	...	...	...	...
9	Nudda	16 0	16 12	14 8	20 0	21 5	22 16	11 8	11 6	15 4	12 4	12 13	17 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Khoolna	...	...	...	...	...	...	13 0	12 8	16 0	16 0	17 8	22 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Jessore	14 0	14 0	12 4	...	...	...	12 4	13 5	16 0	16 0	16 8	21 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Moorsheadabad	18 0	18 0	16 0	...	...	...	11 0	11 0	15 6	13 0	13 0	32 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Diagepore	17 4	17 4	16 0	17 12	17 8	17 8	13 0	12 8	18 0	16 0	15 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Rajahmhye	19 4	17 13	15 4	26 4	26 4	29 0	12 8	12 8	14 0 to 15 4	16 0	14 8	20 0 to 22 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Hungpore	20 0	20 0	13 5	...	...	...	9 10	9 12	13 5	13 0	13 0	10 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Bogra	16 8	16 8	16 0	...	...	...	9 12	9 12	12 0	15 0	15 12	22 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Pubna	21 12	23 0	18 12	...	...	...	5 4	8 4	8 8	16 0	16 8	18 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Darjeeling	9 0	...	8 0	10 0	...	...	8 0	5 0	5 0	5 8	10 0	11 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Jalpigoree	10 0	10 0	10 0	20 0	20 0	20 0	11 0	11 0	12 8	13 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																												
20	Dacca	16 0	16 0	13 5	23 0	23 0	22 12	13 0	13 0	17 12	16 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Farradpore	20 0	20 0	21 0	34 0	34 0	30 0	14 0	14 0	18 0	16 0	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Beckergunge	...	...	...	...	...	...	13 0	15 0	18 0	16 0	18 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Mymensingh	13 0	13 0	11 8	...	...	...	12 4	12 0	14 5	16 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

- A In the subdivisions the retail price of salt per rupee were:—Culina 14 seers, Cutwa 13 seers, and Ranegunge 12½ seers.  
 B In the interior the retail price of salt ranged from 11 to 16 seers per rupee.  
 C In the interior the retail price of salt ranged from 11½ to 13½ seers per rupee.  
 D In the subdivisions the retail prices of salt per rupee were:—Ghatol 14 seers, Tumlook 11 seers, and Contai 12½ seers.  
 E In the subdivisions the retail prices of salt per rupee were:—Deraipore 13 seers and Jehanabad 13½ seers.  
 F In the subdivisions the retail prices of salt per rupee were:—Haraut and Buxarhat 13 seers, Barrackpore 12½ seers, and Dum Dum 12 seers.  
 G In the subdivisions the retail prices of salt per rupee were:—Koushtes 13 seers, Meherpore 11 seers, Choudanga 14 seers, and Managhat 12½ seers.  
 H In the subdivisions the retail price of salt at Satkhira and Bagurhat was 11 seers per rupee.  
 I In the subdivisions the retail price of salt per rupee were:—Jhenrali and Nasal 12 seers, Magurah 10½ seers and Bongong 13 seers.  
 J In the subdivisions the retail prices of salt per rupee were:—Lalugh 11 seers and Jungpore and Kandi 12 seers.

## Districts of Bengal for the Fortnight ending the 31st August 1884.

THE SEER OF 80 TOLAHS.															WHOLESALE PRICES FOR MARCH OF 40 SEERS.				DISTRICTS.													
LARGE MILL—RAGON MURWA AND CHHISA.			MAIZE OR INDIAN CORN.			GRAM.			PINEWOOD.			SALT.			SALT.																	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.															
BENGAL.																																
Western Districts.																																
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	Ra.	A.	Ra.														
...	...	...	...	...	...	18	0	19	4	90	0	120	0	120	0	13	4	12	10	3	0	3	0	3	0	3	0	Burdwan.				
...	...	...	...	...	...	17	12	17	12	17	0	240	0	240	0	12	0	12	0	3	3	3	2	3	0	3	0	Bankura.				
...	...	...	...	...	...	19	0	19	0	21	0	160	0	160	0	12	0	13	0	11	4	3	2	3	0	3	7	Beerbloom.				
...	...	...	...	...	...	16	0	16	0	17	0	155	0	155	0	12	12	12	12	8	3	0	3	0	3	0	2	16	Midnapore.			
...	...	...	...	...	...	17	0	17	0	17	0	120	0	120	0	13	0	13	0	13	0	2	14	2	14	2	14	2	14	Hoochly.		
...	...	...	...	...	...	18	0	18	0	17	0	80	0	80	0	13	0	13	0	13	0	3	0	3	0	3	0	3	0	Howrah.		
Central Districts.																																
...	...	...	...	...	...	21	5	21	5	22	0	100	0	100	0	13	0	...	...	13	5	3	11	3	...	2	12	Calcutta.				
...	...	...	...	...	...	17	8	17	8	17	12	90	0	100	0	12	13	12	13	13	5	3	0	3	0	2	14	24-Pargunnahs.				
...	...	...	...	...	...	21	5	22	15	20	0	...	...	...	...	11	10	11	10	11	10	...	3	0	3	0	3	0	Nuddea.			
...	...	...	...	...	...	16	0	16	0	16	0	180	0	180	0	12	0	12	0	10	8	3	2	3	2	3	4	3	4	Khoolna.		
...	...	...	...	...	...	21	4	22	12	18	0	120	0	120	0	10	12	10	12	12	0	3	2	3	2	3	2	3	2	Jessore.		
...	...	...	...	...	...	23	0	23	0	23	0	120	0	120	0	11	9	11	9	12	8	3	2	3	2	3	2	3	2	Morshedabad.		
...	...	...	...	...	...	17	12	17	8	18	0	120	0	160	0	12	0	12	0	11	8	3	4	3	4	3	0	3	0	Dinapore.		
...	...	...	...	...	...	22	3	23	10	21	8	240	0	240	0	12	11	12	0	12	4	3	2	3	1	3	0	3	0	Rajahmhye.		
...	...	...	...	...	...	18	0	18	0	17	8	100	0	100	0	9	0	9	0	11	14	3	14	3	14	3	6	3	6	Hurgpore.		
...	...	...	...	...	...	16	8	16	8	17	4	60	0	60	0	8	12	8	12	0	12	0	3	5	3	5	3	5	3	5	Hogra.	
...	...	...	...	...	...	21	12	23	8	19	0	200	0	200	0	12	6	12	6	12	0	3	1	3	2	3	3	3	3	Pubna.		
...	...	...	...	...	...	15	0	12	0	10	0	20	0	14	0	25	0	10	0	10	0	8	0	8	0	8	0	4	4	4	8	Darjeeling.
...	...	...	...	...	...	16	0	...	...	16	0	128	0	128	0	12	4	12	4	12	0	3	4	3	4	3	4	3	4	Julpigoree.		
Eastern Districts.																																
...	...	...	...	...	...	19	0	19	0	18	0	80	0	80	0	12	0	12	0	12	8	3	0	3	1	3	4	3	4	Dacca.		
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	12	0	12	0	12	0	3	2	3	2	3	5	3	5	Furzedpore.		
...	...	...	...	...	...	17	0	17	0	18	0	120	0	120	0	12	0	12	0	...	...	2	11	2	11	2	11	2	11	Backergunge.		
...	...	...	...	...	...	16	8	16	0	16	0	...	...	...	...	12	4	12	4	12	4	3	4	3	4	3	4	3	4	Mymensingh.		

\* New.

- K The retail prices of salt were at Raigunge 11½ seers and Nitpore 10 seers per rupee.  
 L In the sub-divisions the retail price of salt was at Nattore and Mowson 12 seers per rupee.  
 M In the sub-divisions the retail price of salt per rupee were — Nilphamari 12 seers, and Kurigram and Gaibandha 10 seers.  
 N The retail price of salt at Kuracong was 13 seers per rupee.  
 O The retail price of salt at Kuracong was 8 seers, and at Dulligore 10 seers per rupee.  
 P The retail price of salt at Kuracong in Alipore sub-division was 10 seers per rupee.  
 Q In the sub-divisions the retail prices of salt per rupee were — Muckgunge 12 seers, Moonahgunge 10 seers 10½ chittacks, and Naraingunge 12 seers.  
 R In the sub-divisions the retail prices of salt per rupee were — Goalanda 12 seers, and Malarpore 12 seers.  
 S In the sub-division of Patuakhali the retail price of salt was 10 seers per rupee.  
 T In the sub-divisions the retail prices of salt per rupee were — Jamalpore 11½ seers, Atica 12 seers, Netrokona 12½ seers, and Kishoregunge 10 seers.



## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	RETAIL SALE:—QUANTITIES PER RUPEE BY THE																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BELURSH MILLET— CUMBOO, RAJEA.			GRASS MILLET— CHOLAM, JOWAR.								
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
Eastern Districts.—Concluded.																									
		Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.
22	Chittagong	14	0	13	0	11	4	...	...	...	13	0	18	0	16	0	17	0	14	0	...	...	...	...	...
23	Noakholly	...	...	...	...	...	...	...	...	...	15	0	16	0	19	0	16	0	17	0	21	0	...	...	...
24	Tipperah	13	5	13	4	11	12	...	...	...	12	10	15	0	18	12	17	6	18	8	23	12	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	...	...	...	18	5	18	5	12	5	10	0	16	0	13	4	...	...	...
	Hill Tipperah	12	0	12	0	10	0	...	...	...	12	0	14	0	15	0	16	0	18	0	20	0	...	...	...
BEHAR.																									
26	Patna	20	0	20	0	21	0	22	0	19	0	25	0	11	4	15	0	13	0	18	0	16	8	...	...
27	Gya	17	0	16	4	17	8	20	0	20	0	23	0	9	8	9	4	12	0	12	0	11	8	14	0
28	Shahabad	18	0	16	0	15	0	20	0	20	0	28	0	9	0	9	0	11	0	12	0	14	0	23	0
29	Darbhanga	17	0	15	7	16	0	18	12	...	9	6	9	15	12	8	11	0	12	1	16	0	...	...	...
30	Muzaffarpore	17	0	17	0	17	0	19	0	19	0	30	0	9	0	9	0	12	0	13	0	13	0	13	0
31	Saun	18	0	18	0	18	0	21	0	20	8	26	0	8	0	8	0	10	0	12	0	12	4	14	0
32	Chumpran	16	0	16	0	19	0	...	...	32	0	1	0	11	0	13	0	14	0	13	0	17	0	...	...
33	Mooghly	16	9	19	12	18	13	19	11	21	0	23	1	10	8	10	8	13	9	11	9	12	1	15	12
34	Bhagalpore	17	16	17	10	16	12	20	3	18	16	24	0	0	6	11	6	15	2	12	10	12	10	17	10
35	Patna	17	0	17	0	17	0	...	...	...	13	0	13	0	16	0	14	0	14	0	18	0	...	...	...
36	Maidah	20	0	20	0	17	0	...	...	...	13	8	11	0	15	0	15	0	15	0	20	0	...	...	...
37	Sonbhal Parga.	13	0	13	0	12	0	...	...	...	12	0	12	0	17	0	14	0	14	8	24	0	...	...	...
ORISSA.																									
38	Cuttack	18	6	18	6	13	2	...	...	...	13	2	13	2	13	2	18	6	19	6	22	6	...	...	...
39	Pocore	13	2	13	2	11	13	...	...	...	13	13	13	13	19	11	18	6	18	6	23	10	...	...	...
40	Balasore	17	0	17	0	14	0	11	0	11	0	...	13	0	13	0	16	0	20	0	20	0	23	0	...
CHOTA NAGPORE																									
South-Western Frontier Agency.																									
41	Hazarebagh	13	0	13	0	14	0	15	0	14	0	21	0	10	0	9	0	9	0	11	8	11	0	16	0
42	Lohardugga	13	0	13	0	16	0	...	...	...	21	0	18	0	21	0	18	0	14	0	14	0	22	0	...
43	Singbhoon	18	0	18	0	18	0	23	0	22	0	24	0	30	0	30	0	32	0	34	0	24	0	30	0
44	Mantbhoon	13	0	13	0	13	0	...	...	...	13	0	13	0	16	0	19	0	19	0	26	0	...	...	...

(a) In the interior the retail price of rice ranged from 21 to 20½ seers per rupee.

U The retail price of salt at Cox's Bazar was 9 seers per rupee.

V In the interior the retail price of salt ranged from 9 to 12½ seers per rupee.

W In the subdivisions the retail prices of salt per rupee were:—Aurangabad and Jehanabad 19 seers, and Newadah 10 seers.

X In the subdivisions the retail prices of salt per rupee were:—Muzar 11½ seers, Shahbua 11 seers, and Baderam 12 seers.

Y In the subdivisions the retail prices of salt per rupee were:—Madhubani 21 seers, and Hajpara 11½ seers.

Z In the subdivisions the retail prices of salt per rupee were:—Mestaurin 11 seers, and Hajpara 12 seers.

Z1 In the subdivisions the retail prices of salt per rupee were:—Sawan 11½ seers, and Gopalganj 12 seers.

Z2 In the interior the retail price of salt ranged from 10 to 13 seers per rupee.

## Districts of Bengal for the Fortnight ending the 31st August 1884.—(Concl'd.)

SEER OF 80 TOLANS.

WHOLESALE PRICES  
PER MAUND OF  
40 SEERS.

LESSER MILLET— KALOR, MURWA AND CHHENA			MAIZE OR INDIAN- CORN			GRAM.			FIRWOOD.			SALT.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakholly.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.
BEJAR.																		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gya.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Durbhunga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mozafferpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Saran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumpran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Monghyr.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bhagalpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Paruah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Malah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergna.
ORISSA.																		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.
CHOTA NAGPORE. South-Western Frontier Agency.																		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hazareebagh.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoom.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoom.

- Z3 In the sub-divisions the retail price of salt per rupee was:—Bagnore 11 seers, and Jamui 11½ seers.  
 Z4 In the sub-divisions the retail price of salt at Banka, Madh pura, and Saugole was 11 seers per rupee.  
 Z5 In the sub-divisions the retail price of salt per rupee were:—Kusungunge 10 seers, and Raungunge in Arrah sub-division 11 seers.  
 Z6 In the sub-divisions the retail price of salt per rupee were:—Deoghur 13 seers, Goida 11 seers.  
 Z7 The retail price of salt at Bhudhach was 8 seers per rupee.  
 Z8 The retail price of salt at Khargachha in the Giridih sub-division was 11½ seers per rupee.  
 Z9 The retail price of salt at Balongunge in the Palamou sub-division was 9 seers per rupee.  
 Z10 The retail price of salt in the Govindpore sub-division was 11 seers per rupee.

Published for general information.

COLMAN MACAULAY,  
Secretary to the Govt. of Bengal.

## WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt in

Number	MARTS.	PRICES PER MAUND														
		WHEAT			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BOLSON MILLST— CUMBOO HAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	2 4 0	2 4 0	2 10 0	1 8 0	1 7 0	1 15 0	4 14 0	4 14 0	3 12 0	3 11 0	3 9 0	2 8 0	3 8 0	3 0 0	1 14 0
2	Berajunge	1 15 0	2 4 0	1 12 0	...	...	...	4 8 0	3 12 0	3 10 0	2 6 0	2 7 0	2 1 0	...	...	...
3	Dacca	2 6 0	2 6 0	3 0 0	1 8 0	1 8 0	1 12 0	3 0 0	3 1 0	2 4 0	2 7 0	2 7 0	2 0 0	...	...	...
4	Narsingunge	...	...	...	...	...	...	2 12 0	2 8 0	2 0 0	2 8 0	2 8 0	1 14 0	...	...	...
5	Chittagong	2 12 0	2 14 0	3 8 0	...	...	...	3 0 0	3 0 0	2 8 0	2 6 0	2 6 0	2 2 0	...	...	...
6	Patna	1 14 0	1 14 0	1 14 0	1 12 0	1 13 0	1 0 0	3 0 0	3 0 0	2 10 0	2 18 0	2 13 0	2 9 0	...	...	...
7	Balassore	3 2 0	2 2 0	2 6 0	3 2 0	3 2 0	...	3 0 0	3 0 0	2 7 0	1 14 0	1 13 0	1 4 0	...	...	...
8	Pooree	...	...	...	...	...	...	...	...	...	2 1 0	2 0 0	2 3 0	...	...	...
9	Cuttack	2 0 0	2 0 0	2 14 0	...	...	...	3 0 0	3 0 0	3 0 0	2 0 0	2 0 0	1 10 0	...	...	...

CALCUTTA,  
The 9th September 1884.

*The under-mentioned Marts of Bengal for the fortnight ending the 31st August 1884.*

OF 40 SEERS.

GREAT MILLET— CHOITUM JOWAR.			LESSER MILLET— BAGI OR MURWA AND CHENNA.			MAISE OR INDIAN- CORN.			GRAM.			PIRWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	
3 2 03	00	16 0	...	...	...	1 14 0	...	1 14 0	1 12 0	1 12 0	0 6 0	0 6 0	0 6 0	0 6 0	0 6 0	0 6 0	0 6 0	Calcutta.
...	...	...	...	...	...	...	...	...	2 8 0	2 8 0	0 3 0	...	...	...	...	3 0 0	0 2 11 0	Serajunge.
...	...	...	...	...	...	...	...	...	2 2 0	2 2 0	0 2 0	0 7 0	0 7 0	0 7 0	0 7 0	0 3 0	0 3 1 63 4 0	Dacca.
...	...	...	...	...	...	...	...	...	2 0 0	2 4 0	0 2 4 0	0 7 0	0 7 0	0 7 0	0 7 0	0 3 0	0 3 0 03 2 0	Narainjunge.
...	...	...	...	...	...	...	...	...	2 12 0	2 8 0	0 3 0 0	0 4 0	0 4 0	0 4 0	0 5 3	0 4 12 0 4	0 4 0 0	Chittagong.
...	...	...	...	...	...	1 7 6	1 12 0	1 7 6	1 12 0	1 14 0	...	0 5 0	0 5 0	0 5 0	0 5 0	0 3 2 03	2 03 1 0	Patna.
...	...	...	...	...	...	...	...	...	2 7 0	2 10 0	0 2 8 0	0 5 0	0 5 0	0 5 0	0 4 0	0 3 8 03	7 04 2 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2 7 02	6 03 12 0	Pooree.
...	...	...	2 5 02	5 02	5 0	...	...	...	1 11 0	1 11 0	0 2 0 0	0 8 0	0 8 0	0 8 0	0 8 0	2 12 02	12 02 12 0	Cuttack.

Published for general information.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

### IMPORTS INTO CALCUTTA.

† Exclusive of bags obtained by local manufacture.

*The Sea-borne Trade of Calcutta in these Staples during the month of June 1884 was as follows.—*

[illegible]

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of June 1884.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTE.	FOOD-GRAINS.					FIBROUS PRODUCTS.				OILSEEDS.			TEA.		COTTON.		SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Drain.	Un-drained.	Has-path.	Other kinds.				
By country boats ...	Mds. 3,00,832	Mds. 1,02,493	Mds. 44,324	Mds. 1,27,264	Mds. 3,454	Mds. 39,144	No. 673,513	Mds. 78,631	Mds. 7,197	Mds. 12,490	Mds. 3,718	Mds. 705	Mds. 6,090	Mds. 29,635	Mds. 213	Mds. 6,023				
" river steamers ...	9,478	...	6,450	...	...	1,23,741	...	1,276	78,718	...	...	...	...	...	...	...	...	...	...	...
" rail { East Indian ...	15,194	...	6,799	70,123	615	73,079	699,445	3,51,991	2,08,284	1,611	9,773	1,361	3,725	2,072	...	1,745	...	...	...	...
" Eastern Bengal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Cal. and South-Eastern ...	14,011	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" road ...	5,296	7,440	1,390	1,037	...	5,716	42,930	191	...	...	1,457	...	...	11,640	...	10,346	...	10,581	...	...
" sea ...	25,806	16,046	39,030	8,747	...	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total of Imports in June ...	5,12,037	1,20,169	7,28,871	2,98,143	30,803	2,42,599	1,204,508	4,55,291	3,55,067	32,324	40,308	3,234	25,095	68,919	8,165	47,743				
" 1883 ...	8,63,164	1,31,003	22,64,553	2,97,408	37,870	4,83,493	2,072,656	5,41,432	4,96,215	50,092	54,983	1,990	55,335	95,967	...	...	...	...	...	...

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of June 1884.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
<b>BYGAL.</b>	Rs.	Rs.	Mds.	Mds.	Mds.	No.	<b>CHOTA NAGPORE.</b>	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Burdwan ...	1,50,590	440	530	1,686	31,389	25,320	Hazaribagh ...	21,085	...	...	...	...	...
Bachchan ...	91,872	...	159	336	20,009	7,905	Manbhum ...	13,704	...	...	...	...	...
Manipur ...	90,183	...	879	...	72,276	3,619	Total of Chota Nagpore	60,362	...	...	...	...	...
Bihar ...	90,745	5,002	710	60	20,540	20,540	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	47,77,291	51,983	11,637	5,657	7,23,513	3,067,405
Benarsh ...	1,51,107	10,062	680	...	12,929	10,219	<b>OTHER PROVINCES.</b>						
Nagpur ...	2,48,580	...	980	...	21,630	21,630	Assam ...	4,41,280	...	537	...	38,019	...
Khind ...	4,000	...	...	...	3,176	...	North-Western Provinces and Oudh ...	17,33,014	12,900	3,541	639	29,474	401,433
Khind ...	88,000	...	118	...	31,745	2,530	Punjab ...	10,10,032	330	1,545	25	235,715	235,715
Assam ...	1,24,124	1,980	73	70	5,594	5,594	Central Provinces ...	62,298	330	875	...	61,410	61,410
Dumra ...	63,000	...	200	...	13,455	2,220	Rajputana States ...	25,020	...	225	...	1,170	1,170
Dumra ...	1,78,000	...	231	...	16,224	240	Ranwar ...	1,037	3,843	...	...	2,185,100	2,185,100
Dumra ...	2,51,036	7	295	...	3,712	3,712	Madras ...	57,392	...	2,228	23	338,114	338,114
Dumra ...	1,17,290	...	214	...	56,749	2,370	British Burmah ...	1,50,503	...	623	3,218	51,230	51,230
Dumra ...	3,02,140	...	85	...	40,000	610	Other places ...	27,082	49	3	...	25,000	25,000
Dumra ...	8,140	9	61	...	20,344	609	Grand Total of Exports in June 1884	83,30,459	70,231	20,253	10,137	7,91,036	10,387,262
Dumra ...	1,00,000	...	1,007	...	52,078	3,473	Imports in June 1883	69,03,820	68,222	19,935	12,193	6,03,712	8,433,066
Dumra ...	41,000	...	405	...	43,002	9,000							
Dumra ...	...	...	...	...	3,450	...							
Dumra ...	...	...	...	...	2,750	...							
Dumra ...	...	...	...	...	7,307	...							
Total of Bengal...	31,11,923	46,400	7,393	2,157	4,54,010	124,508							
<b>BEHAR.</b>													
Patna ...	3,99,024	1,100	127	101	86,060	219,730							
Gya ...	40,128	770	41	173	16,157	3,023	<b>IMPORTED INTO CALCUTTA—</b>						
Bahadur ...	2,18,706	199	9	539	17,003	59,510	From Foreign Ports—						
Bahadur ...	71,002	230	...	...	0,140	11,210	Canton Kingdom ...	81,70,605	...	1,71,295	...	6,71,172	...
Bahadur ...	1,81,192	770	9	453	44,538	29,243	Other Foreign ports ...	10,712	...	831	...	1,20,343	...
Chhapra ...	1,00,312	440	...	...	18,478	5,935	Total of Foreign Trade ...	81,87,380	...	1,73,066	...	7,07,917	...
Moner ...	61,992	440	...	...	1,003	42,395	From Indian Ports—						
Bahadur ...	1,35,045	690	115	405	1,339	1,140	Bombay ...	900	1,88,000	...	53,990	20,900	...
Bahadur ...	...	...	...	...	6,100	...	Madras ...	1,845	5,707	...	6	...	...
Bahadur ...	1,37,002	110	50	230	30,000	57,435	Other ports in Madras ...	1,400	...	...	...	...	...
Total of Behar...	15,14,445	2,390	437	2,193	2,50,321	45,705	British Burmah ...	1,700	190	...	...	...	...
<b>ORISSA.</b>							Other Indian ports ...	250	...	133	...	...	...
Cuttack ...	...	...	...	...	3,000	3,000	Total of Interport Trade ...	6,214	1,53,990	138	53,993	23,000	...
Balasore ...	1,10,578	...	3,302	219	245	51,850	Grand Total of Imports in June 1884	81,00,424	1,53,990	1,72,174	53,993	1,34,177	...
Total of Orissa...	1,10,578	...	3,302	219	245	51,850	Imports in June 1883	87,70,000	1,70,010	12,543	6,007	1,00,000	9,800

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of June 1884.

SPECIFICATION OF ROUTE.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
By country boats ...	Rs. 1,88,000	Rs. 9,363	Mds. 1,997	Mds. 2,000	Mds. 2,000	No. 42,107
" river steamers ...	6,23,000	22,000	1,797	...	...	...
" rail { East Indian ...	47,02,000	2,000	7,017	6,914	3,44,000	1,255,831
" Eastern Bengal ...	21,20,000	...	...	...	...	30,790
" Calcutta and South-Eastern ...	1,00,000	...	...	...	...	...
" road ...	4,00,000	11,701	819	18	...	...
" sea ...	4,00,000	1,173	6,290	4,102	...	9,562,229
Grand Total of Exports in June ...	20,00,000	7,023	20,799	10,137	7,91,036	10,387,262
" 1883 ...	60,00,000	6,222	19,332	12,193	6,03,712	8,433,066

\* As per said declaration value.

STATISTICAL DEPARTMENT,  
The 6th September 1884.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.



## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for area.
			AIR PRESSURE.			WIND.		TEMPERATURE.										
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.	Variation from normal mean of week.	Mean 10 A. M. temperature.				
ORISSA.	Poorbe ...	Gopalpore ...	29.071	29.721	—	SW	433	87.8	77.8	86.2	80.1	82.2	—	82.2	82	87		
	False Point ...	False Point ...	29.061	29.708	—0.06	WSW	257	84.0	78.1	85.0	77.8	81.7	—1.6	82.9	81	87		
	Cuttack ...	Cuttack ...	29.013	29.004	—0.04	WSW	78	91.4	70.8	86.2	77.6	82.0	—1.2	83.8	77	71		
	Balasore ...	Balasore ...	29.005	29.004	—	SW	70	88.4	76.2	86.8	77.0	82.0	—	82.0	80	80		
SOUTH-WEST BENGAL.	South-West Midnapore ...	Saugor Island ...	29.048	29.674	—0.077	SW	288	88.7	76.5	86.3	78.3	81.6	—1.7	80.0	81	96		
	South 24-Pargunnahs ...	Midnapore ...	29.010	29.007	—	SE	712	90.3	74.8	86.7	77.0	81.0	—	80.8	80	80		
	24-Pargunnahs ...	Calcutta ...	29.043	29.066	—0.085	SE	72	87.1	74.2	86.2	70.1	80.7	—2.2	80.9	87	84		
	Howrah ...	Burdwan ...	29.071	29.071	—0.073	E	62	90.8	75.4	89.2	77.8	82.6	—0.7	82.6	79	83		
	Bankura ...	Ranigunge ...	29.030	—	—	E	130	91.0	78.0	88.0	76.7	82.6	—	81.7	83	89		
	West Burdwan ...	Berhampore ...	29.013	29.080	—0.067	ENE & E	120.0	90.1	76.6	86.3	76.8	82.6	—1.8	83.8	83	96		
	Moorshedabad ...	Observatory not started.																
	Nuddea ...	Observations not received.																
	Jessore ...	Jessore ...	29.034	29.046	—0.01	S	175	88.7	78.0	86.5	77.4	82.0	—1.7	82.3	82	99		
	Khulna ...	Chittagong ...	29.034	29.740	—0.01	SE	130	84.1	74.0	80.8	74.4	77.4	—4.2	78.7	69	86		
EAST BENGAL.	Chittagong Hill Tracts ...	Observations not received.																
	Bachkunge ...	Harrisal ...	29.004	—	—	SE	91.4	88.1	74.9	82.5	76.2	79.3	—	80.2	87	97		
	Noakholly ...	Noakholly ...	29.708	29.740	—	SE	293.3	84.8	74.3	82.8	78.4	79.0	—	80.1	80	83		
	Furzedpore ...	Furzedpore ...	29.003	—	—	SE	158.2	87.6	74.9	84.0	77.0	81.2	—	81.6	84	89		
	Dacca ...	Dacca ...	29.077	29.700	—0.067	SE	168	89.8	75.1	88.2	76.8	82.0	—0.6	83.1	80	77		
	Comilla ...	Comilla ...	29.071	29.707	—	SE	112.1	87.4	74.8	84.5	75.2	79.0	—	80.7	83	87		
	Mymensingh ...	Mymensingh ...	29.045	—	—	SE	160.7	90.3	76.1	87.0	77.2	82.4	—	83.7	78	87		
	Bogra and Pabna ...	Serajunge ...	29.060	29.708	—	E	106.6	90.1	75.7	86.1	76.0	81.0	—	81.0	83	87		
	Majshahi ...	Rampore Beaulah ...	29.011	29.046	—	ENE	107.3	88.6	78.6	83.6	76.2	79.4	—	80.0	78	81		
	Dinagore ...	Dinagore ...	29.002	29.722	—	ENE	127.7	91.6	78.6	91.0	77.3	84.2	—	84.3	69	47		
NORTH BENGAL.	Rangpore ...	Rangpore ...	29.003	29.723	—	S	111	92.8	74.1	89.4	78.1	83.6	—	84.0	79	84		
	Jalpigore ...	Jalpigore ...	29.040	29.723	—	E	161.1	92.0	76.1	88.6	76.2	82.4	—	84.4	78	80		
	Cooch Behar ...	Darjeeling Hill District ...	21.000	—	—	E	31	98.1	82.7	97.2	84.9	80.0	—	82.7	87	71		
	Furness ...	Furness ...	29.078	29.704	—0.030	Calm & E	27	92.2	74.8	90.5	76.8	83.6	—0.7	83.7	80	83		
	North Bhagulpore ...	Moulfepore ...	29.030	—	—	E	—	92.6	74.8	90.6	76.8	82.6	—	83.6	80	83		
	Durbhanga ...	Durbhanga ...	29.043	29.710	+0.044	E	99	90.0	76.3	90.3	76.6	84.4	+0.0	83.9	78	80		
	Chumpan ...	Notthari ...	29.073	29.008	—	SE	153.0	92.1	75.6	90.9	77.0	82.9	—	85.3	80	40		
	Barua ...	Chupra ...	29.067	—	—	E	20.2	92.0	76.8	91.1	79.0	85.1	—	87.4	74	40		
	Dahree ...	Dahree ...	29.024	29.677	—	NE & SE	237.8	84.6	77.0	89.0	79.0	84.3	—	85.4	78	83		
	Shabbed ...	Bazar ...	29.040	29.081	—	E	104.0	89.3	76.3	88.2	78.0	83.6	—	83.6	78	70		
SOUTH BENGAL.	Arrah ...	Arrah ...	29.078	29.673	—	ENE	76.8	92.4	76.6	91.5	78.5	85.0	—	85.6	76	84		
	Gya ...	Gya ...	29.273	29.043	?	E	?	96.5	76.8	98.4	77.1	85.3	+0.6	87.0	80	100		
	Palma ...	Bankipore ...	29.010	29.703	—0.036	E	106	92.0	78.2	92.0	78.0	85.0	+1.6	84.1	78	87		
	South Bhagulpore ...	Bhagulpore ...	29.020	29.033	—	SE	100	91.4	77.0	89.8	78.0	83.0	—	80.3	76	39		
	Monghyr ...	Doomka ...	29.174	—	—	E	204.4	89.0	74.2	87.7	73.8	81.7	—	81.4	80	40		
	South Pargunnahs ...	Hazaribagh ...	27.078	29.070	—0.01	E	161	88.3	70.7	83.8	71.9	77.0	—0.7	77.7	84	100		
	Lohardugga ...	Ranchee ...	27.068	29.073	—	—	—	88.6	70.3	82.8	71.7	77.3	—	77.3	85	81		
	Maubhoon ...	Chyabass ...	29.082	—	—	Variably	24.7	90.3	76.7	88.1	78.0	83.0	—	82.1	83	87		
	Chyabass ...	Chyabass ...	29.082	—	—	Variably	24.7	90.3	76.7	88.1	78.0	83.0	—	82.1	83	87		

\* Mean for 6 days.

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same period. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means are the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions from the district (i.e.) the total rainfall at the sub-divisional stations in the district during the returns, divided by the number of stations. A rainy

for the week ending Friday, the 5th September 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 18th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
3'00	—	—	—	—	—	—	—	—	—	—	Gopalpore	Pooree	ORISSA.
2'46	—	3'53	—	14'40	—	—	38'08	—	3'8	3'8	False Point	...	
1'42	1'41	3'07	10'39	13'04	-3'06	31'38	37'16	-5'77	4'3	3'9	Cuttack	Cuttack	
2'11	2'70	2'34	10'27	13'52	-3'25	38'33	37'58	+0'75	4'8	3'6	Balasore	Balasore	SOUTH-WEST BENGAL.
0'23	3'02	3'00	14'04	17'30	-3'26	47'47	44'94	+2'54	6'0	4'0	Saugor Island	South-West Midnapore	
3'48	4'16	3'37	10'78	16'28	-5'50	34'34	36'13	-1'79	5'7	3'5	Midnapore	Midnapore	
11'08	7'47	3'37	10'71	14'36	+3'25	39'12	39'03	-0'09	6'0	4'3	Calcutta	Howrah	SOUTH-WEST BENGAL.
6'49	4'41	2'30	10'93	13'55	-3'02	28'78	33'55	-4'77	5'0	3'8	Burdwan	Burdwan	
3'26	4'10	2'78	12'53	15'14	-2'41	28'13	40'51	-12'38	5'3	4'3	Ranigunge	Bankura	
3'00	2'45	2'54	8'22	11'12	-2'30	36'70	36'96	-10'26	3'9	3'9	Berhampore	Moorsheadabad	SOUTH-WEST BENGAL.
4'06	2'06	3'03	14'02	—	-4'49	23'51	27'00	-3'49	4'7	3'8	.....	Nuddea	
6'57	3'77	2'19	10'08	13'75	+1'33	42'64	41'23	+1'41	4'9	4'1	Jessore	Jessore	
9'20	—	3'55	—	25'00	—	—	53'58	—	—	5'0	Chittagong	Chittagong	SOUTH-WEST BENGAL.
9'43	6'08	3'15	12'23	21'74	-9'51	46'00	66'07	-2'07	6'0	5'3	Demagiri	Chittagong Hill Tracts	
9'03	6'07	3'61	20'36	29'42	-9'46	64'75	67'68	-18'93	5'5	5'3	Barrisal	Bactergunge	
4'08	4'09	2'39	11'22	14'36	-3'14	34'83	43'86	-9'03	4'0	4'0	Noakholly	Noakholly	SOUTH-WEST BENGAL.
4'10	3'55	2'69	12'06	18'27	-6'21	35'53	47'31	-11'78	3'7	4'5	Farradpore	Farradpore	
2'94	—	3'04	—	19'28	—	—	55'40	—	—	4'7	Dacca	Dacca	
1'38	1'33	3'07	7'02	16'54	-9'52	26'40	52'36	-13'27	3'0	4'5	Commillah	Commillah	SOUTH-WEST BENGAL.
1'44	1'39	3'78	6'30	14'34	-8'04	29'21	42'49	-13'27	2'3	3'6	Mymensingh	Mymensingh	
2'17	1'36	3'51	6'00	11'07	-7'27	20'84	39'26	-18'42	4'0	4'3	Serajgunge	Bohra and Pubna	
0'30	0'54	2'05	6'53	14'76	-8'23	30'90	64'07	-13'17	3'0	3'9	Rampore Bannlach	Rajahahye	SOUTH-WEST BENGAL.
0'79	0'79	4'17	7'30	16'19	-8'29	39'16	53'90	-14'74	2'5	3'8	Dinapore	Dinapore	
0'61	1'08	0'24	24'09	27'94	-3'85	79'33	68'55	-10'23	2'4	4'8	Rangpore	Rangpore	
2'17	1'74	7'23	29'94	38'07	-8'13	96'95	122'66	-25'71	3'5	5'5	Julpigoree	Julpigoree	SOUTH-WEST BENGAL.
0'24	0'86	2'50	7'50	15'50	-8'00	34'55	43'92	-9'37	2'6	3'7	Darjeeling	Darjeeling Hill Districts	
0'54	0'70	2'00	6'44	11'94	-5'50	22'44	32'35	-9'91	1'7	3'1	Purneah	Purneah	
0'56	—	—	—	—	—	—	—	—	—	—	North Bhagulpore	North Bhagulpore	SOUTH-WEST BENGAL.
0'54	0'39	2'63	8'34	12'45	-4'07	29'48	33'57	-4'10	1'7	3'0	Moulampur	Moulampur	
0'30	1'02	2'14	8'30	11'39	-3'41	21'94	30'67	-8'73	2'0	2'9	Durbhunga	Durbhunga	
0'34	—	—	—	—	—	—	—	—	—	—	Motihari	Chumpram	SOUTH-WEST BENGAL.
3'00	0'00	1'53	9'55	12'39	-2'51	20'04	30'37	-10'23	1'5	3'4	Chupra	Chupra	
0'21	—	—	—	—	—	—	—	—	—	—	Dehra	Dehra	
0'37	0'37	1'28	9'43	12'37	-2'54	20'39	31'09	-11'09	2'0	2'8	Buxar	Buxar	SOUTH-WEST BENGAL.
0'02	0'09	2'14	7'45	11'77	-4'32	20'21	31'09	-11'47	1'0	3'1	Arrah	Arrah	
0'19	0'48	2'41	7'31	12'78	-4'97	23'28	35'01	-11'73	2'2	3'7	Gya	Gya	
2'23	1'28	2'78	6'00	10'70	-4'72	23'39	37'80	-14'41	4'3	4'0	Bankipore	Bankipore	SOUTH-WEST BENGAL.
1'43	1'55	2'31	11'74	16'27	-4'53	34'53	37'00	-2'47	3'0	4'1	Shagulpore	South Shagulpore	
3'20	2'01	2'27	11'35	15'01	-3'66	27'34	37'65	-10'31	5'0	4'1	Monohyr	Monohyr	
1'43	1'01	3'08	9'22	16'33	-7'11	33'78	41'64	-7'86	4'0	4'6	Dumka	Sonahal Pergunnahs	SOUTH-WEST BENGAL.
—	—	—	—	—	—	—	—	—	—	—	Hasaribagh	Hasaribagh	
—	—	—	—	—	—	—	—	—	—	—	Ranchee	Lohardugga	
—	—	—	—	—	—	—	—	—	—	—	Manbhoom	Manbhoom	SOUTH-WEST BENGAL.
—	—	—	—	—	—	—	—	—	—	—	Chyabasa	Singbhoom	
—	—	—	—	—	—	—	—	—	—	—	—	—	

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observational stations for the period in question during the past 12 years. The means for the district" are the numerical average of the rainfall returns received day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 5th September 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rainfall from 1st August to 5th September 1884.	Average total rainfall from 1st August to 5th September.	Total rainfall since 16th May 1884.	Average rainfall from 16th May to date.
			Sunday 30th August.	Sunday 31st August.	Monday 1st September.	Tuesday 2nd September.	Wednesday 3rd September.	Thursday 4th September.	Friday 5th September.	Number of rainy days.	of Rainfall in inches.				
Orissa.	Purora	Purora	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Khurda	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bampur	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		False Point	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Hookola	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Outback	Jagatsinghpore	0.25	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Banki	0.25	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Cuttack	0.25	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Kandrapara	0.15	0.30	0.10	0.10	0.10	0.10	0.10	0	1.00	7.75	11.70	27.00	33.25
		Jajpore	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
South-West Bengal.	Malasore	Chandball	1.00	0.00	0.10	0.10	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bludduck	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Sorah	0.10	0.00	0.00	0.10	0.10	0.10	0.10	0	1.00	7.75	11.70	27.00	33.25
		Halasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Jeliasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Midnapore	Beripodah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Contal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Rangpur Island	1.25	1.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Tumlook	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Midnapore	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
North Bengal.	Diamond Harbour	Diamond Harbour	1.00	0.00	0.10	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Alipore Jail	1.00	0.00	0.10	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Barackpore	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Burn-Burn	2.77	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Karaghat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Howrah	Howrah	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Mohesana	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		(Dobharia)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Howrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
Central Bengal.	Burdwan	Culina	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Culina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Kanagunge	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Bankura	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
East Bengal.	Searboon	Bh. Seery	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Netampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Netampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Netampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Netampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Nadua	Bongora	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Ranachit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Kishinathur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Chowdhara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Netampore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
Farther Bengal.	Chittagong	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
	Moulvibazar	Kandi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Lalmai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Lalmai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Lalmai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25
		Lalmai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	1.00	7.75	11.70	27.00	33.25

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 5th September 1884—continued.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall from 1st August to 5th September 1884.	Average total rainfall from 1st August to 5th September 1884.	Total rainfall since 1st May 1884.	Average rainfall from 1st May to date.
			Saturday, 30th August.	Sunday, 31st August.	Monday, 1st September.	Tuesday, 2nd September.	Wednesday, 3rd September.	Thursday, 4th September.	Friday, 5th September.	Number of rainy days.	Rainfall in inch.				
NORTH HINDAL.	Purba	Purba	0.26				0.16	1.47	0.29	4	0.47	11.64	13.32	83.54	40.29
		Serajunga				0.04	0.34	0.25	0.20	4	1.23	7.78	13.82	29.62	40.44
	Hooghly	Sherpore				0.08				1	0.08	3.54	16.24	24.93	47.42
		Nowkhilla		0.03				0.10	0.20	3	0.35	4.08	15.15	31.35	40.59
		Berra							0.10	1	0.10	3.08	15.14	33.52	47.60
		Panchibibi		0.00						1	0.02	4.88	13.54	30.20	41.01
	Hajmahal	Boulcrah	0.01	0.00	0.00	0.22	0.10	0.11	0.09	7	3.48	9.23	14.58	27.36	38.96
		Nattera		0.00				0.12	1.15	3	1.27	5.77	15.32	28.18	41.06
	Malda	Nowrang		0.10			0.14	0.09	0.07	4	0.38	4.89		35.28	?
		Maldah						0.115	0.04	2	0.19	8.43	12.30	23.00	37.13
	Dinajpur	Mohadepore	0.08			0.12		0.15	0.03	4	0.38	4.62	18.37	24.85	47.77
		Churamun					0.30	0.19		4	0.40	7.52	12.97	34.19	30.77
		Ranunge				0.00		0.24	0.05	3	0.29	7.46	13.90	31.18	43.43
		Dinajpur				0.11	0.14	0.13		3	0.38	5.83	14.75	28.57	48.27
	Munshypore	Bakorhat					0.00	0.18	0.02	3	0.20	5.29		32.41	?
		Bhawanisange (Gopalnagar)						0.10		1	0.10	6.06	13.97	36.80	47.33
		Rangpo				0.06	0.20	0.45	0.01	4	0.72	10.47	15.35	44.21	59.06
		Kurigram					0.07	0.02		2	1.50	0.74	13.44	30.00	59.17
	Jalpaiguri	Hagriga	0.03				0.36	0.13		3	0.77	4.93	22.07	35.91	73.01
		Jalpaiguri	0.08	0.74				0.14		3	0.91	40.93	23.24	61.35	89.43
	Cooh Behar	Dinhat				0.02	0.14	0.01		3	0.27	10.43	20.78	63.29	76.39
		Cooh Behar	0.29				0.05			3	0.64	21.23	28.02	98.41	103.83
		Mickhanga	0.45				0.11			3	1.16	23.24	30.47	71.47	57.43
		Masbhanua	1.30				0.05			2	1.40	18.18	31.10	70.08	93.43
	Darjeeling Hill.	Boza	1.10					0.17	0.17	2	1.36	20.24	47.25	116.80	138.15
		Siliguri	0.79					0.70	0.33	3	1.84	20.87		72.97	?
NORTH HINDAL.	Purab	Darjeeling	0.60	0.20			0.83	0.50	0.14	5	3.13	23.65	28.85	76.91	87.16
		Katimpur					0.10	0.83		2	1.02	13.21		61.17	?
	Purab	Kisanganj	0.10					0.50		2	0.60	14.83	19.63	53.74	63.08
		Arrah			0.18		0.32			2	0.19	13.07	15.96	41.62	47.75
	North Bhagalpore.	Purneah				0.37	0.21	0.03		3	0.61	10.65	10.65	33.50	43.04
		Maddapora				0.31	0.45			2	0.66	8.65	13.86	24.47	36.75
	Burdwan	Soopool			0.34	0.78	0.10	0.24		4	1.02	4.23	14.47	19.51	57.08
		Tajpore								Nil	Nil	7.14	11.32	22.51	31.67
	Burdwan	Burdwan	0.07		0.04	0.39		0.06		4	0.90	4.68	13.86	10.55	35.13
		Madhuan	2.23			0.12	0.07	0.23		4	2.74	9.73	11.69	24.83	32.48
	Mouafferpore	Bitanarhi								Nil	Nil	7.00	10.62	34.38	30.60
		Mouafferpore				0.50				1	0.50	5.60	11.79	20.65	32.08
	Chauvan	Hajpore				0.12				1	0.12	4.20	12.42	30.40	31.36
		Mothari				0.06	0.01			2	0.07	7.35	15.12	27.04	31.79
	Baru	Baru				0.38				1	0.38	9.39	13.37	30.34	30.93
		Gopalganj								2	0.22	8.06	10.81	30.59	32.00
	Baru	Bowen	1.44	0.01	0.30		0.18	0.04		3	1.60	7.71	11.84	15.14	32.24
		Chuprah			0.28					1	0.39	10.07	10.74	23.74	29.05
SOUTH HINDAL.	Bhadrabad	Bozar	1.00				0.43			2	1.43	7.72	11.93	18.73	28.78
		Dumree				0.31	0.08			2	0.39	13.80	14.37	24.37	?
		Bhadrabad				0.35	0.30			2	1.15	9.45	13.14	18.41	31.66
		Banarman			0.40					1	0.40	13.30	14.43	26.03	30.58
	Gya	Arrah				0.30				1	0.30	0.04	12.36	26.07	29.08
		Aurangabad	0.19							1	0.19	10.02	13.00	25.08	33.12
	Gya	Gya			0.06	0.20	0.02			3	0.37	7.02	12.11	19.35	34.44
		Nowadah				0.44				1	0.44	7.35	11.49	15.28	30.91
		Jehanabad			0.12	0.16	0.18			3	0.40	9.00	12.91	18.08	31.78
	Patna	Patna			0.02					1	0.02	7.28	12.17	21.08	32.03
		Dinapore								Nil	Nil	11.77	12.06	27.77	30.00
	Munshy	Behar					0.23		0.04	2	0.29	6.04	11.40	12.41	33.62
		Barh			0.06					1	0.06	6.06	11.42	18.63	30.44
	Munshy	Begoesar						0.42		1	0.42	7.71	11.67	19.94	30.47
		Munshy				0.24	0.09			2	0.51	7.31	15.53	21.41	34.28
	South Bhagalpore.	Jamu					0.16			1	0.16	16.41	12.29	29.61	34.21
		Bhagalpore			0.03			0.16	0.15	3	0.27	2.06	11.44	26.00	31.15
	South Patna.	Banra					0.18	0.17	0.40	3	0.73	0.66	13.18	17.29	33.89
		Rajmahal			0.09					2	0.31	5.58	12.11	25.60	36.14
	South Patna.	Goda	0.18					0.09	0.00	4	0.34	3.32	13.96	17.47	31.90
		Pakour		0.23	0.07	0.50	0.01	0.01		6	2.62	8.84	13.23	24.07	30.07
		Nya Dooka		0.51	0.26	0.55	0.03	0.07	0.55	6	2.27	7.27	10.22	29.34	41.14
		Deoghur			0.31	0.26	0.47	0.00	0.27	4	1.14	0.69	13.00	20.46	30.24
CALCUTTA NAG. DIV.	Hazaribagh	Jamra		0.40	0.31			0.00	0.60	4	1.43	9.59	13.72	31.05	35.01
		Pachamba		0.10	0.21	0.25		0.10	1.13	5	1.51	7.12	13.22	21.22	25.00
	Hazaribagh	Hazaribagh	0.36		0.18		0.20	0.80	0.63	6	1.98	18.56	18.11	29.64	30.64
		Amnudi Hills											15.09		38.72
	Lohardugga	Lohardugga	0.02	0.13	1.53	0.70	0.08	0.04	1.24	7	2.74	12.44		31.33	?
		Ranchi		0.07	1.47	0.20	0.02	0.21	1.10	6	3.57	14.84	16.01	27.07	41.49
	Singbhum	Patna			1.03		0.13	0.17	0.20	4	2.43	13.00	13.00	23.03	33.97
		Chyabana			0.12	0.13			0.21	4	1.01	9.22	10.35	22.79	41.91
CALCUTTA NAG. DIV.	Manbhum	Paralia	0.38	0.73	1.80	0.18		0.07	1.58	6	4.07	10.65	15.35	31.27	39.10
		Gulmipore		0.03	0.05			0.09	0.63	4	0.82	7.43	14.00	15.94	36.24

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the returns are missing, the corresponding space in the total rainfall column is left blank.

CALCUTTA, The 8th September 1884.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGL DURING THE WEEK ENDING THE 5TH SEPTEMBER 1884.**

THE meteorology of the past week has been very unusual. At the end of last week, a partial break of the rains was established over nearly the whole Province. A small atmospheric whirl, or cyclonic disturbance, began to form at the commencement of the present week in the north-west angle of the Bay. This was evidently due to the advance of another burst of monsoon winds, and flow of aqueous vapour northwards.

The southerly winds feeding it were apparently at first feeble. The whirl was hence of small intensity, and of little importance at sea. It crossed the coast, apparently to the east of Saugor Island, on the morning of the 2nd. The depression was then very small and was filling up. Strong southerly winds were, however, advancing northwards along the Aracan coast and giving very heavy rain. They began on the 2nd to influence the weather in East Bengal, and the eastern districts of South-West Bengal, over which heavy rain commenced to fall.

The very slight depression which then remained in South-West Bengal appears to have determined the rainfall to the Khoolna and Jessore districts. The depression began to intensify rapidly, and was very distinctly marked on the morning of the 3rd, when its centre and that of the cyclonic circulation was near Jessore. It marched westwards, and was near Calcutta on the morning of the 4th, and Midnapore on the 5th. It filled up rapidly for some time after passing Calcutta, during which it marched through Chutia Nagpur into the Central Provinces, where fresh supplies of vapour from the Bombay coast appear to have given it renewed vitality.

The weather and rainfall of the week has been almost entirely determined by this disturbance. It has given excessive rain to the central districts of South-West Bengal from Khoolna to Burdwan, and average or abundant rain over the whole of South-West Bengal, and the greater part of East Bengal, Orissa, and Chutia Nagpur.

The indraught to it has, on the other hand, very considerably diminished rainfall of Behar, and the greater part of North Bengal, over which a partial break has obtained during the week. Occasional light showers of little importance were received, but the district rainfall over the whole of the area of deficient rainfall was barely 30 per cent. of its normal amount. One or two districts, more especially Patna and Chumparnn, were practically without rain during the week.

Pressure, as was noted in last week's report, increased rapidly on the 29th and 30th, and was, on the morning of the 30th, above the normal by amounts varying from '08" at Patna to '12" at Chittagong. It then commenced to give way. At the same time a small area of low pressure, giving rise to feeble cyclonic circulation, formed in the north-west angle of the Bay. Pressure continued to diminish on the 1st and 2nd, and on the latter day, the small depression crossed the Bengal coast to the east of Saugor Island. It was then filling up. The indraught on the eastern quadrant gave rise to heavy rain in the eastern districts of South-West Bengal. This either gave rise to a new depression, or intensified the small depression which had crossed the Bengal coast on the morning of the 2nd, and was apparently filling up at that time. Pressure continued to give way rapidly during the next 24 hours over the whole Province. The centre of the depression at 10 A.M. of the 3rd was near, and to the south-west of, Jessore. It advanced slowly westwards, and was a little distance to the north or north-north-west of Calcutta on the morning of the 4th. It was then at its fullest development. Pressure was below the normal over the Province by amounts ranging from '08" at Patna to '21" at Calcutta and '24" at Jessore. It continued to move westwards with a slight southerly tendency, and partially filled up during the remainder of its advance through the Province. The centre was in the Midnapur district on the morning of the 5th. It crossed through Chutia Nagpur on the 6th and 7th, and appears to have passed into the northern districts of the Central Provinces, where it has obtained fresh supplies of aqueous vapour brought up by the Bombay branch of the monsoon current, and is giving heavy rain to Central India. During its westward march, after passing Calcutta, the barometer rose rapidly in those districts from which it was moving, and fell more slowly over those which it was approaching.

The mean pressure of the week was hence considerably below the normal, more especially in South-West Bengal. The deficiency ranged from '03" at Bankipore and Purneah to '08" at Calcutta and '09" at Jessore.

**Temperature.**—The average temperature was considerably below the normal in East Bengal, South-West Bengal, Orissa and Chutia Nagpur, over which abundant or excessive rain has fallen. It was above it in Behar, and probably North Bengal, where a partial break of the rains has obtained during the week. Moderately high maximum temperatures were also recorded in these districts. The highest were 95.2° at Gya on the 30th, and 94.5° at Dehree on the same day.

**Winds.**—The wind directions during the past week have been mainly determined by the cyclonic disturbance. Winds were feeble until the 1st, when they rapidly increased in strength, and blew with much force on the 2nd, 3rd, and 4th, over the greater part of the Province. Winds were approximately normal in direction at the end of the week.

**Rainfall.**—The distribution of the rainfall of the past week throughout the Province, both with respect to time and place, is comparatively simple.

It was almost entirely due to the cyclonic disturbance of the week. Excessive rainfall occurred in South-West Bengal in those districts through which the centre passed, and the amount decreased north and south from the path of the centre. The whole of South-West Bengal, the greater part of East Bengal, Orissa, Chuttia Nagpore, the Southal Pergunnahs, and the most southern districts of North Bengal, have hence received favourable or abundant rain.

The rainfall has, on the other hand, been unusually scanty over nearly the whole of Behar and North Bengal.

The cyclonic disturbance during its formation and passage across the Bengal coast gave frequent light to moderate showers to the whole of Orissa, Chuttia Nagpur and the south-western districts of South-West Bengal from the 30th of August until the 2nd. During the same period, occasional showers of no great importance were received in East Bengal, and the eastern districts of South-West Bengal. A few light showers of little or no importance occurred in Behar, and North Bengal, during this period.

Moderate general rain fell over the whole of Orissa, South-West Bengal, and East Bengal on the 3rd. It was heaviest in the southern districts of East Bengal, and the Jessore and Khoolna districts of South-West Bengal. The largest amounts recorded were 4.58 inches at Burrisal and 4.43 inches at Cox's Bazar. Light showers, somewhat more general than previously, were received in North Bengal and Behar. The rainfall of the 4th occurred over the same area as on the 3rd, but was much larger in amount. It was heaviest in the Jessore district and the 24-Pergunnahs.

The following gives rainfalls of the 24 hours preceding 6 p.m. of the 4th, exceeding 4 inches in amount:—

	Inches.
Busirhat, in the 24-Pergunnahs ... ..	6.18
Cox's Bazar, in the Chittagong district... ..	5.40
Khoolna, in the Khoolna district ... ..	5.37
Magoora, in the Jessore district ... ..	4.07

Heavy rain continued to fall over the greater part of South-West Bengal during the next 24 hours, and moderate rain in East Bengal, Orissa, Chuttia Nagpur, the Pubna and Rajshahye districts of North Bengal, and the Southal Pergunnahs. No rain fell in Behar or the greater part of North Bengal. The heaviest rainfalls were received in the 24-Pergunnahs, and the Burdwan, Jessore and Nuddea districts.

The following amounts exceeding 4 inches were registered on the 5th, and indicate the distribution of the heaviest rainfalls on that day:—

District.	Station.	Inches.
24-Pergunnahs	Alipore ... ..	6.8
	Dum-Dum ... ..	6.37
	Diamond Harbour ... ..	4.25
Burdwan	Burdwan ... ..	5.24
Jessore	Jhenidah ... ..	6.06
	Magoora ... ..	5.30
	Jessore ... ..	4.19
Nuddea	Kooshtea ... ..	5.25

The rainfall of the past week has been very unequally distributed. The Jessore and Khoolna districts have received four times their normal rainfall, the 24-Pergunnahs three times, and the Burdwan, Nuddea and Burrisal two times the average amount of the week. Midnapore, Bancoora, Beerbhoom, and Furreedpore have obtained from 10 to 60 per cent. in excess, and the Balasore, Manbhoom, Noakhally and Dacca districts from 5 to 15 per cent. in excess.

The area of abundant rainfall during the past week hence includes almost the whole of South-West Bengal, and the southern districts of East Bengal, and the Balasore district of Orissa.

Over the remainder of the Province the rainfall was in defect. Moorshedabad and Hazaribagh obtained slightly more than 80 per cent., Cuttack 70 per cent., Singbhoom 64 per cent., Rajshahye 57 per cent., and Chupra, Shahabad, Bogra, Pubna, and the Southal Pergunnahs between 45 and 50 per cent. of the normal rainfall of the week.

The rainfall was less than 40 per cent. in the remaining districts of the Province. The following table gives the names of these districts, the actual and normal rainfall of the week, and the percentage of the actual to the normal rainfall:—

District.	Actual rainfall of week.	Normal rainfall of week.	Percentage of actual to normal rainfall of the week.
Mymensingh ... ..	1.82	3.57	37
Durbhunga and Mozufferpore ... ..	0.70	2.60	27
Rancegunge ... ..	0.79	4.17	19
Dinagepore ... ..	0.54	3.05	18
Purneah ... ..	0.68	3.59	18
Bhagulpore ... ..	0.42	2.41	18
Julpigoree and Cooch Behar ... ..	1.08	6.24	17
Chumparun ... ..	0.26	2.65	10
Bankipore ... ..	0.09	2.14	4



These districts hence define the area of most deficient rainfall of the past week. Of these districts Mymensingh, Rungpore and Dinagepore have received less than 50 per cent. of their respective normal rainfalls since the 1st of August, and form part of the area of most deficient rainfall during the present monsoon, which includes the Mymensingh district, the greater part of North Bengal, and of North and Central Behar.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 5th September 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	91°4	75°1	80°2	78°2	82°3	-1°4	2°23	3°33	-0°00	4°7	3°5	+1°2	10°57	13°63	33°79	37°71
South-West Bengal	91°0	74°2	87°1	77°2	82°3	-1°6	5°49	2°52	+2°07	5°2	4°0	+1°2	12°77	14°54	34°02	39°46
East Bengal	90°3	74°0	84°6	76°1	80°2	-2°6	5°06	3°58	+1°48	4°0	3°7	+0°2	14°42	19°94	50°17	69°52
North Bengal	92°8	73°6	87°7	76°4	82°1	—	1°11	3°96	-2°85	2°8	4°1	-1°3	10°64	17°83	42°97	56°00
North Behar	92°6	73°8	80°7	77°5	84°1	+0°1	0°65	2°80	-2°21	2°0	3°3	-1°3	8°15	15°16	37°49	55°95
South Behar	95°2	74°3	90°3	78°1	84°2	+1°1	0°99	3°26	-1°27	3°4	3°5	-1°1	9°17	12°70	21°70	33°39
Chhota Nagpur	89°5	70°1	83°3	71°8	77°6	-0°7	2°51	3°41	+0°10	5°1	4°2	+0°0	11°19	14°81	27°04	37°68

\* Chyabasa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 8th September 1884.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 31st August to 6th September 1884.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity	Prevailing direction.	Miles recorded.		
1884.				Inches.	—	—	—	—	—	Inches.	—	%.			Inches.	
Aug.	31st	165.5	5.8	29.672	81.0	85.8	10.8	75.5	78.2	0.930	77.0	88	SSE and SW by W	70	0.02	Chiefly cloudy, o, t, d.
Sept.	1st	140.0	3.3	30.07	81.1	86.9	10.8	76.6	78.6	0.949	77.6	89	SW by W, ESE and SSE.	80	1.12	Cloudy, o, g, p, t, d, <.
"	2nd	138.5	0.6	30.55	81.0	85.0	7.5	77.5	78.7	0.954	77.8	90	E and calm	33	0.22	Cloudy, o, g, t, p.
"	3rd	152.0	5.6	30.490	80.7	86.1	8.6	77.5	77.9	0.922	76.8	88	NW, SSW, and variable.	77	2.50	Cloudy, o, g, p, t, <.
"	4th	99.6	Nil	30.479	79.4	82.6	8.4	74.3	77.9	0.935	77.2	93	WSW and W	90	1.61	Cloudy, o, g, p, d, t.
"	5th	105.0	...	30.445	77.4	79.4	5.2	74.2	76.2	0.992	75.8	95	SSW and SE	161	4.62	Cloudy, o, g, p, d, ●.
"	6th	115.7	1.6	30.423	80.2	84.1	10.0	74.1	77.8	0.921	76.7	89	E by S and SE	84	0.13	Chiefly cloudy o, g, t, p, d, fr.

The mean pressure of the seven days ... 29.571  
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.646

The total number of hours of bright sunshine ... 16.8  
The maximum possible number of hours of sunshine ... 87.5

The mean temperature of the seven days ... 80.1  
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 83.5  
The extreme variation of temperature ... 12.8  
The maximum temperature ... 86.9

The highest velocity of the wind in one hour ... 14

The highest pressure of wind on one square foot ... 3

The mean relative humidity ... 90

The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 86

The total fall of rain from 31st August to 6th September 1884 ... 10.27

The average fall of the corresponding period for 24 years, S. G.'s Office ... 2.48

The total fall from 1st January to 6th September 1884 ... 52.51

The average fall of the corresponding period for 24 years, S. G.'s Office ... 50.50

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, d drizzling rain, fr lightning reflection, < lightning, ● continued rain.

JOHN ELIOT,

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 8th September 1884.

for Meteorological Reporter to the Government of India.

**Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 1st to 6th September 1884.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1884.		°	°	°	°	°	Inches.	°	%	Inches.
September	1st	70.6	88.6	18.0	70.6	78.5	.969	78.1	95	2.45
"	2nd	70.9	85.8	14.9	77.8	78.4	.953	77.8	93	0.06
"	3rd	80.5	87.8	7.3	77.3	78.1	.945	77.6	91	...
"	4th	78.0	82.6	4.6	75.3	77.0	.916	75.8	94	3.58
"	5th	76.5	79.0	2.5	74.8	76.1	.897	75.9	98	6.93
"	6th	80.3	86.0	5.7	79.6	76.4	.947	77.0	91	0.09

The mean temperature of the six days ... .. 79.1

The extreme variation of temperature during the six days ... .. 18.8

The maximum temperature during the six days ... .. 88.6

The mean relative humidity during the six days ... .. 94

The total fall of rain from 1st to 6th September 1884 ... .. 11.41

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 8th September 1884.

JOHN ELIOT,  
For Meteorological Reporter to the Govt. of India.

## Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of August 1884.

	Inches.	Date.	Hour.
The mean pressure of the month ...	29.576		
The average pressure of August from 24 years' registers ...	29.598		
The highest pressure in the month ...	29.822	30th	10h.
The lowest pressure in the month ...	29.349	15th	16h.
The range of pressure ...	0.433		
The total number of hours of bright sunshine during the month	125.2		
The maximum possible number of hours of sunshine	398.4		
⊖			
The mean temperature of the month ...	82.5		
The average temperature of August from 24 years' registers ...	83.1		
The highest temperature in the month ...	90.5	2nd	
The lowest temperature in the month ...	75.5	31st	
The range of temperature during the month ...	15.0		
The mean daily range of temperature ...	9.2		
The greatest range of temperature in one day ...	11.3	2nd and 9th.	
Per cent.			
The mean humidity of the month ...	87		
The average humidity of August from 24 years' registers ...	86		
Inches.			
The mean vapour tension during the month ...	0.964		
The average vapour tension of August from 9 years' registers ...	1.002		
The mean cloud proportion of the month ...	7.85		
The average cloud proportion of August from 7 years' registers ...	8.09		
The total rainfall of the month ...	10.97		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge 50.5 feet above the ground)	10.08		
The average fall of August from 48 years' registers ...	13.94		
The greatest fall in 24 hours ...	1.91	30th	
Days.			
The number of rainy days in the month ...	25		
The average number of rainy days in August from 24 years' registers ...	25		
⊖			
The mean maximum equilibrium temperature of solar radiation during the month ...	147.7		
The mean difference of sun and air temperatures ...	60.3		
The greatest sun temperature ...	168.6	17th	
The greatest excess of sun over air temperature ...	77.2	17th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth ...	73.5		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ...	4.7		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ...	6.6	23rd	
Miles.			
The mean movement of the wind per day ...	93.3		
The greatest movement of the wind in one day ...	166.0	3rd	
The greatest movement of the wind in one hour ...	15.0	3rd 2 to 3 P.M.	
The number of hours with winds from each of the 8 points—			

N. 0, NE. 9, E. 45, SE. 263, S. 266, SW. 94, W. 32, NW. 5, Calm 30.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0.6° higher; and finally, the thermometer, which has furnished the record of temperature at the Surveyor-General's Office during the last 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 8th September 1884.JOHN ELIOT,  
For Meteorological Reporter to the Govt. of India.

## MEMORANDA.

THE returns of the first class Municipalities in Bengal, for the week ending 23rd August 1884, disclose the following results:—

1. That births and deaths were recorded in these Municipalities in the proportions per 1,000 of population of 21.0 and 31.2, respectively, as opposed to 19.9 and 29.0 per 1,000, respectively, in the preceding week ending 16th August, indicating an improvement in the registration of both events.

2. That the highest proportions of births and deaths were returned from the under-mentioned Municipalities:—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Uttarpara	...	...	37.8	Gya	...	...	69.0
Gya	...	...	33.5	Suburbs of Calcutta	...	...	38.7
Bhagulpore	...	...	31.7	Patna	...	...	38.0
				Poori	...	...	34.4
				Chupra	...	...	35.1
				Bhagulpore	...	...	31.7
				Dacca	...	...	31.2
				Midnapore	...	...	31.0
				Monghyr	...	...	30.7
				Mozufferpore	...	...	30.4
				Serampore	...	...	29.4

3. That the mean rates at which the population of the Municipalities under notice died from the principal diseases under record, exhibit no marked variations in comparison with the mortality during the preceding week, *vide* figures given below:—

				Ratio per mille during the weeks ending—	
				23rd August 1884.	16th August 1884.
Cholera	...	...	...	2.9	2.8
Small-pox	...	...	...	.2	.2
Fever	...	...	...	12.9	12.1
Bowel-complaints	...	...	...	5.0	4.2
Injury	...	...	...	.6	.4
Other causes	...	...	...	9.5	9.2

4. That of the above-mentioned diseases cholera, fever, bowel-complaints, and the maladies classed under the head of "Other causes" proved most fatal to life in the following Municipalities:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Gya	10.9	Gya	29.4	Midnapore	12.4	Gya	21.2
Chupra	10.7	Jeasore	24.5	Patna	9.1	Poori	17.1
Dacca	7.1	Purneah	24.2	Mozufferpore	8.5	Dacca	14.9
Monghyr	6.3			Chupra	7.8	Suburbs of Calcutta	14.7
Durbandha	3.1					Patna	13.0
Suburbs of Calcutta	2.7					Kishnaghur	11.3
						Monghyr	8.1

5. That the death-rates in relation to Sex, Class, and Age stand as indicated below:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	30.7	Christians	17.4	Under 1 year	33.9
Females	31.8	Hindus	32.5	1 and under 5 years	49.8
Ratio of male deaths to every 100 female deaths	109	Mahomedans	28.5	5 " 10 "	17.9
		Budhists	48.4	10 " 15 "	14.9
		Other classes	72.8	15 " 20 "	20.9
				20 " 30 "	21.3
				30 " 40 "	16.4
				40 " 50 "	17.2
				50 " 60 "	27.9
				60 years and upwards	56.2

B. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 8th September 1884.

Statement showing the Results of the Registration of Births and Deaths in the First Class Municipalities in Bengal during the week ending 23rd August 1884.																	
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.		BIRTHS.				MORTALITY ACCORDING TO—									
		Males.	Females.	NUMBER OF—		RATIO PER 1,000 OF POPULATION PER ANNUM.		DISEASE.									
				Males.	Females.	Total.	Ratio of male births to every 100 female births.	DEATHS FROM—					RATIO PER 1,000 OF POPULATION PER ANNUM.				
								Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Births per 1,000 of population per annum in the previous week.	DEATHS.	Ratio of male deaths to every 100 female deaths.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Burdwan	Burdwan	18,003	16,017	9	8	17	76	214	130	...	...	...	...	...	168	8	200
Midnapur	Midnapur	16,927	16,833	6	6	12	93	135	86	...	...	...	...	...	183	7	85
Hugli	Hugli and Obisnarah	19,179	19,539	7	9	16	84	131	77	...	...	...	...	...	94	8	89
Barrackpore	Barrackpore	13,500	12,877	10	5	15	198	293	233	...	...	...	...	...	214	6	66
Howrah	Howrah	5,046	4,644	2	2	4	159	574	190	...	...	...	...	...	189	3	No female deaths.
24-Parganas	Suburb of Calcutta	60,899	64,829	28	18	46	134	98	113	...	...	...	...	...	113	41	110
Calcutta	Calcutta	147,203	144,534	63	60	123	114	217	110	...	...	...	...	...	239	104	150
Chittagong	Chittagong	12,368	14,814	8	6	14	95	208	53	...	...	...	...	...	120	1	116
Dacca	Dacca	4,023	4,685	1	1	2	60	...	...	...	...	...	...	...	175	2	No female deaths.
Jessore	Jessore	13,789	13,979	7	4	11	123	70	193	...	...	...	...	...	175	8	400
Rajshahi	Rajshahi	4,850	4,805	...	...	...	...	...	...	...	...	...	...	...	113	3	200
Darjiling	Darjiling	16,766	9,025	...	...	...	...	...	...	...	...	...	...	...	109	1	100
Dacca	Dacca	5,022	2,947	...	...	...	...	...	...	...	...	...	...	...	130	2	No female deaths.
Chittagong	Chittagong	48,793	37,379	13	12	25	87	78	115	...	...	...	...	...	272	30	166
Tipperah	Tipperah	7,405	4,964	3	3	6	124	...	...	...	...	...	...	...	217	3	250
Patna	Patna	13,840	8,780	1	1	2	211	47	258	...	...	...	...	...	101	4	183
Gya	Gya	8,103	6,333	1	2	3	379	77	118	...	...	...	...	...	231	...	No male deaths.
Shahabad	Shahabad	78,702	91,475	22	31	53	74	101	74	...	...	...	...	...	151	53	91
Monrotpore	Monrotpore	30,909	22,606	19	20	39	130	303	336	...	...	...	...	...	671	50	115
Darbhanga	Darbhanga	30,909	22,606	19	20	39	130	303	336	...	...	...	...	...	204	8	75
Baran	Baran	22,084	19,655	10	5	15	121	61	182	...	...	...	...	...	219	13	198
Bhagalpore	Bhagalpore	33,773	32,722	18	15	33	163	113	200	...	...	...	...	...	218	9	64
Manchur	Manchur	34,011	27,405	21	9	30	203	59	254	...	...	...	...	...	253	15	100
Purneah	Purneah	27,813	27,813	23	10	33	224	91	117	...	...	...	...	...	310	15	73
Poori	Poori	28,113	29,367	9	12	21	72	104	131	...	...	...	...	...	484	17	160
		8,401	6,333	1	2	3	34	31	67	...	...	...	...	...	173	6	100
		1,023	1,125	5	6	11	197	128	230	...	...	...	...	...	407	11	163
Total	Total	1,023,760	972,760	540	483	1,023	116	216	126	...	...	...	...	...	599	412	192

A general statement of the results of the registration of births and deaths in the first class municipalities in Bengal during the week ending 23rd August 1884. The number of the municipalities in which a statement is in that month. The number of the municipalities in which a statement is in that month.



Agg.

I.E., M.D., Deputy Surgeon-General,  
 Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL, &c.  
The 8th September 1884.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884 on 1,500½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	186,844	Rs. A. P. 2,18,125 12 0	Mds. s. 18,88,963 30	Rs. A. P. 4,12,190 6 0	Rs. A. P. 14,538 2 0	Rs. A. P. 4,44,828 4 0	60,068½	89,297	1,49,365½
Or per mile of railway	.....	144 8 4	.....	275 1 1	9 10 1	297 5 6	.....	.....	.....
For previous 8 weeks of half-year	1,400,950	15,31,908 7 0	1,33,20,092 30	34,93,078 3 0	1,22,332 6 3	51,49,710 0 5	473,809½	688,427½	1,162,237½
Total for 8 weeks	1,687,794	17,52,036 2 0	1,72,19,046 30	39,05,777 9 0	1,36,770 8 3	57,94,607 4 5	534,957½	777,704½	1,312,762½
COMPARISON.									
Total for corresponding week of previous year	180,883½	1,82,570 0 11	25,31,116 30	5,90,018 6 0	19,690 1 1	7,92,281 8 0	69,393	122,853	192,246
Or per mile of railway corresponding week of previous year	.....	120 15 10	.....	391 0 0	13 0 9	525 0 7	.....	.....	.....
Total to corresponding date of previous year	1,727,005	17,64,584 5 9	2,16,96,061 10	59,46,719 6 4	1,69,318 11 2	79,69,616 7 3	854,453	1,269,554	1,924,007

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1st SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30th AUGUST 1884.			TOTAL RECEIPTS FROM 1st APRIL 1883 TO 1st SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1st APRIL 1884 TO 30th AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,500	Rs. 7,92,281	Rs. 525	1,500½	Rs. 6,44,828	Rs. 427	1,500	Rs. 2,19,74,213	Rs. 14,662	1,500½	Rs. 1,74,22,175	Rs. 11,612	.....	Rs. 45,52,038

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 23rd August 1884, on 120 Miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	16,400	Rs. A. P. 5,687 0 0	Mds. s. 12,400 0	Rs. A. P. 945 0 0	Rs. A. P. 37 0 0	Rs. A. P. 6,670 0 0	3,237	1,038	4,275
Or per mile of railway	180	45 0 0	99 0	8 0 0	.....	55 0 0	.....	.....	.....
For previous 8 weeks of half-year	121,865	44,140 0 0	60,078 0	6,720 0 0	340 0 0	51,200 0 0	21,159	7,569	28,728
Total for 8 weeks	138,265	49,826 0 0	61,538 0	7,665 0 0	277 0 0	57,979 0 0	24,856	9,597	34,453
COMPARISON.									
Total for corresponding week of previous year	9,222	1,655 0 0	18,141 0	445 0 0	17 0 0	2,127 0 0	837	280	1,117
Or per mile of railway corresponding week of previous year	85	47 5 11	118 0	12 14 8	0 7 9	20 13 4	.....	.....	.....
Total to corresponding date of previous year	78,570	13,134 0 0	1,30,795 0	2,335 0 0	278 0 0	16,240 0 0	7,034	2,600	9,634

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 25th AUGUST 1883.			RECEIPTS FOR WEEK ENDING 23rd AUGUST 1884.			TOTAL RECEIPTS FROM 1st APRIL 1883 TO 25th AUGUST 1883.			TOTAL RECEIPTS FROM 1st APRIL 1884 TO 23rd AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
35	Rs. 2,127	Rs. 61	120	Rs. 6,670	Rs. 55	35	Rs. 44,260	Rs. 1,265	120	Rs. 1,94,437	Rs. 1,612	Rs. 1,69,467	.....

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,890	5,840 11 0	53,411 10	5,564 10 0	86 13 0	5,650 3 0	1,508	502	2,010
Or per mile of railway ...	167	53 6 11	941 0	62 2 4	0 10 3	106 2 6	...	...	...
For previous 5 weeks of half-year ...	50,844*	51,225 10 0*	4,86,063 0*	29,501 11 0*	1,034 12 3*	60,782 1 3	12,179†	9,018‡	21,197
Total for 9 weeks ...	70,734	58,566 5 0	4,79,554 10	31,066 5 0	1,091 0 3	72,714 5 3	14,759	9,515	24,274
COMPARISON.									
Total for corresponding week of previous year ...	8,608	2,625 1 10	21,695 30	1,817 2 0	60 13 0	2,693 8 10	1,509	525	2,034
Per mile of railway corresponding week of previous year ...	160	63 6 0	379 10	31 13 4	0 11 5	95 13 9	...	...	...
Total to corresponding date of previous year ...	72,607†	52,996 14 6	2,31,876 30	15,580 15 0	440 6 0	49,988 8 0	16,778	5,304	22,182

\* Added number of passengers 488, and deducted Rs. 1,798 0 0 on account of differences between the approximate and audited returns to week ended 30th July 1884.  
† Added masts 40,228 and .. 1,796 3 0 on account of ditto ditto to ditto.  
‡ Added .. 788 14 3 on account of ditto ditto to ditto.

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1ST SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 1ST SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 30TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57½	5,483	90	57½	8,093	186	57½	1,09,712	2,907	57½	1,09,211	2,226	10,490	...

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,557	4,196 5 0	29,915 30	1,783 9 8	103 13 0	4,299 11 8	800†	709‡	1,509
Or per mile of railway ...	...	56 3 1	...	23 15 1	1 6 3	81 5 3	...	...	...
For previous 5 weeks of half-year ...	31,206*	26,016 2 0*	3,38,461 20†	14,318 13 8†	700 5 60	41,038 4 9	4,952§	7,124	12,076
Total for 9 weeks ...	35,763	30,200 7 0	3,68,367 10	16,108 6 3	806 2 6	47,106 15 9	5,754	7,853	13,607
COMPARISON.									
Total for corresponding week of previous year ...	2,693	2,353 6 3	15,804 0	1,800 9 0	130 4 0	4,213 8 3	878	599	1,477
Per mile of railway corresponding week of previous year ...	...	59 10 4	...	24 2 3	2 8 3	68 15 2	...	...	...
Total to corresponding date of previous year ...	35,010	29,979 7 10	1,56,188 20	17,673 0 0	887 1 0	47,960 8 10	5,600	8,379	13,979

\* Deducted number of passengers 18, and Rs. 441 1 0 on account of differences between the approximate and audited returns to week ended 30th July 1884.  
† Deducted masts 1,011-20 .. 172 8 0 on account of ditto ditto to ditto.  
‡ Deducted .. 14 5 6 on account of ditto ditto to ditto.

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1ST SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 1ST SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 30TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
74½	4,913	65	74½	4,074	95	74½	1,22,661	1,779	74½	1,45,448	1,963	12,803	...

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIL-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	1,031	465 14 0	4,937 10	161 2 0	22 13 0	600 0 0	240	39	329
Or per mile of railway ...		38 13 2		8 7 1	2 11 9	50 0 0			
For previous 6 weeks of half-year ...	16,731*	3,210 8 0*	50,220 30*	1,307 10 0†	250 0 3‡	4,673 15 5	1,432	1,106	2,538
Total for 9 weeks ...	18,762	3,676 3 0	55,156 30	1,368 15 0	282 13 3	5,273 15 5	1,672	1,146	2,817
COMPARISONS.									
Total for corresponding week of previous year ...	2,016	358 0 8	10,569 0	267 9 0	18 2 0	638 11 8	217	112	329
Or per mile of railway corresponding week of previous year ...		29 8 8		22 4 9	1 8 3	53 3 7			
Total to corresponding date of previous year ...	18,234†	3,290 12 1	52,496 10	2,021 3 0	216 11 0	5,498 10 1	2,602	959	2,661

\* Deducted number of passengers 1,234 and Rs. 81 0 0 on account of difference between the approximate and audited returns to week ended 30th July 1884.  
† Deducted maunds 220-10 and .. 37 0 0 on account of ditto ditto ditto to ditto.  
‡ Deducted .. 76 15 9 on account of ditto ditto ditto to ditto.

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 12 SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 1ST SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 30TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	639	53	12	600	50	12	21,031	1,753	12	22,207	1,934	2,176	.....

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Last return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			30th June 1883.	Last 9 days of June 1884.	To 30th June 1883.	To last 9 days of June 1884.			
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
15th July ...	Northern Bengal ...	240	61,673 0 0	57,351 0 0	11,76,605 0 0	9,89,458 0 0	.....	1,87,147 0 0	-16
15th ...	Tirhoot ...	103	14,122 0 0	23,725 0 0	4,16,971 0 0	5,86,411 0 0	1,69,440 0 0	.....	+45
30th June ...	Calcutta and South-Eastern ...	50	8,346 0 0	8,710 0 0	1,83,632 0 0	1,72,256 0 0	13,376 0 0	.....	+6
10th July ...	Naihati ...	27½	1,096 0 0	3,194 0 0	44,479 0 0	41,917 0 0	.....	2,562 0 0	-5
	Total ...	520½	85,036 0 0	92,180 0 0	17,96,677 0 0	17,89,941 0 0	.....	6,736 0 0	.....



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 17, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 13th September 1884.*

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts</i>			
1	Burdwan, Sept. 13 '84	0.89	Weather—hot and clear, with some rain in parts of the district. General prospects exceedingly dubious. Prospects in Raneeungunge now favourable. Good rain may still be of great service. Transplanting has not even yet stopped, but some thanas must turn out badly, and prospects altogether are greatly dependent on rain. Price of rice a trifle lower. Public health still good.
	Culina	3.11	
	Cutwa	1.25	
	Raneeungunge	3.68	
2	Bankura, " 13 "	1.58	Weather—sunny and cloudy alternately. In many places price of rice has fallen this week by one or two annas per rupee, while in others it is stationary. Owing to the recent heavy rain, transplanting in the defective tracts has been largely resorted to, and prospects much improved. In some thanas the crops will probably be excellent. General health continues excellent.
	Khattra	4.92	
	Bishenpore	2.20	
	Maliara	2.68	
3	Boerboom, " 13 "	.53	Weather—warm. The rainfall during the week has been scanty, and transplanting is being delayed. Sugarcane doing well. Price of rice stationary. Public health good.
	Rampore Haut	1.84	
4	Midnapore, " 13 "	1.06	Weather—cool and pleasant. Prospects of crops generally favourable. If the rain does not hold off now there will be a good <i>amra</i> crop. Public health fair.
5	Hooghly, " 13 "	1.78	
	Sorampore	5.08	Weather—showery. <i>Amra</i> being harvested with good outturn. Transplanting of late paddy completed, and its prospects good so far, though it is backward. Prices steady. Public health good.
	Jehanabad	2.07	
	Howrah, " 13 "	1.66	Weather—rain at times. <i>Amra</i> and jute crops being out. <i>Amra</i> , sugarcane and vegetables promising
	Oolcoberiah	1.02	

No.	District, and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—consolid</b>			
<i>Central Districts.</i>			
PRESIDENT DIV.	6 24-Pargannahs Sept. 15 '84	1.40	Weather—hot and clear. Harvesting of <i>aus</i> paddy and cutting of jute still continued. Transplanting of <i>amra</i> finished. Prospects very good. Health of people generally good. Cases of fever in Barrackpore as usual in this season.
	7 Naddea, " 13 "	.61	Weather—cloudy, with showers of rain. <i>Aus</i> crop has been harvested with fair outturn in some places and a poor outturn in others. <i>Amra</i> requires more rain. Winter crops being sown. Fever slightly increased.
	Kopaitia " " "	5.60	
	Moherpore " " "	2.28	
	Chandanga " " "	3.01	
	Ranaghat " " "	1.23	
	8 Khoolna, " 13 "	0.68	Weather—fairly cool. Transplanting of <i>amra</i> paddy nearly completed. <i>Aus</i> , mostly harvested. Health fair.
	9 Jessore, " 13 "	0.89	Weather—seasonable. Prospects of <i>amra</i> crop continue favourable. General health good.
	Jhenida " " "	6.46	
	Magoorah " " "	1.39	
RAJSHY DIV.	10 Moorsheadabad, " 13 "	0.48	Weather—fine and bright. Jute being cut and is a fair crop, but there is a scarcity of water for steeping it. Prospects of <i>amra</i> are worse owing to continued dry weather. Public health good except in thana Khargason, where fever has appeared.
	Kandi " " "	2.33	
	Jungipore " " "	0.95	
	Lalbagh " " "	1.59	
	11 Dinagore, Sept. 12 '84	.45	Weather—hot with light showers at intervals. Rain still much wanted for <i>amra</i> . Slight rain during the week, but the district wants a heavy down-pour. There is still time with seasonable rain to give hopes of a good harvest.
	12 Rajshahy, " 13 "	.93	Weather—hot and bright. <i>Aus</i> harvest completed with 6 to 8 <i>anna</i> outturn. More rain required for <i>amra</i> crop. Jute cutting continues. Ganja seedling being transplanted. Health fair.
	Natore " " "	2.35	
	Nowgong " " "	.98	
	13 Rangpore, " 13 "	.59	Weather—very hot. Harvesting of jute and transplanting of <i>amra</i> still going on. Rain much wanted. Other standing crops doing well. Public health generally good. Some cases of cholera reported from thana Nagawari in the Kurigram sub-division. Malarious fever still prevails at head-quarters station.
	Gaibanda " " "	.21	
DACA DIV.	Nilphamari " " "	1.15	
	Kurigram " " "	2.16	
	14 Bogra, " 13 "	.60	Weather—cloudy off and on, with very little rain. Some rain fell at the beginning of the week, but since then the weather is dry and hot. <i>Amra</i> paddy continues to be very injuriously affected by want of heavy rain, and in places water is very insufficient for jute steeping.
	15 Pubna, " 13 "	0.83	Weather—very little rain during the week. Rain very badly wanted for <i>amra</i> crops, much of which has already been seriously damaged. Unless rain falls within the next few days outturn will be very poor. Crops look well only on low lands. Jute crop good. Prices low. Sugarcane doing well.
	16 Darjeeling, " 13 "	3.35	Weather—cold and wet. The early harvest in the hills and plains proving good. Prospects of later harvest fair, and tea prospects improved.
CHITTAGONG DIV.	17 Jalpigore, " 13 "	1.47	Weather—days sultry, nights cool. Some more rain now needed, but on the whole late paddy doing fairly well. Not more than a 12 <i>anna</i> outturn is estimated in the south of the district. Jute is a plentiful crop this year. Cattle-disease very bad in Alipur sub-division. Public health good.
	<i>Eastern Districts.</i>		
	18 Dacca, Sept. 13 '84	.87	Weather—seasonable. Harvesting of jute and <i>aus</i> paddy continues. <i>Mug</i> and <i>kaisi</i> being sown. Prospects of crops generally good, but <i>amra</i> crop on high ground very scanty. Water again decreasing. Public health generally good.
	Manickgunge " " "	2.14	
	Moonsheegunge " " "	5.47	
	Naraingunge " " "	1.67	
	19 Farredpore, " 13 "	1.39	Weather—very hot. State and prospects of crops very satisfactory. Jute steeping going on briskly with good outturn. Cholera in the south and centre of the district.
	Goslundo " " "	.99	
	Madaripore " " "	2.06	
	20 Backergunge, " 11 "	3.07	Weather—rainy at the beginning of the week and sunny at the close. Prospects of crops fair. Transplanting of <i>amra</i> not yet finished. General health good.
PATNA DIV.	21 Mymensingh, " 13 "	1.58	Weather—warm with slight showers. Cutting of jute and <i>aus</i> paddy continues. More rain wanted for <i>amra</i> paddy; prospects unfavourable.
	Jamapore " " "	1.41	
	Kishoregunge " " "	1.95	
	Attia " " "	2.62	
	Netrokona " " "	2.80	
	22 Chittagong, Sept. 15 '84	.19	Weather—hot. Transplanting nearly finished. Prices stationary.
	23 Noakholly, " 13 "	2.17	Weather—warm and sultry. Light showers of rain occasionally. Reaping of <i>aus</i> paddy almost finished. Transplanting of <i>amra</i> paddy continues. Young plants look promising. Sporadic cases of cholera reported.
	Fenny (up to 11th Sept.) " " "	1.88	
	24 Tipperah, " 11 "	3.23	Weather rainy, but fair towards the close of the week. Prospects of late paddy good. Jute crop deficient in the north. Public health good.
	Braamunberiah " " "	4.85	
BEHAR.	Chandpore " " "	5.95	
	25 Chittagong Hill Tracts, " 8 "	4.24	Weather—cool in the morning; heavy rain during the week. Harvesting of <i>joom</i> paddy and transplanting of <i>amra</i> still continue. General outturn of <i>joom</i> crops unsatisfactory. Cotton and sugarcane doing very well.
	Hill Tipperah " 10 "	3.63	Weather—seasonably rainy. Transplanting of <i>amra</i> paddy continues. <i>Joom</i> paddy being reaped. Cases of fever more frequent than usual; otherwise public health on the whole good.
	26 Patna, Sept. 26 '84	Nil	Weather—hot. Reaping of <i>badai</i> crops being pushed on. Condition of paddy, crops unsatisfactory owing to deficient rainfall. Transplanting entirely stopped and the time for it is now over. Cholera prevalent in the D-bar sub-division.
	Behar " " "	.47	Weather—cloudy, with light showers. Prospects of crops very bad in Nowada and the east; better towards Aurangabad. Want of rain felt severely everywhere. Prices falling slightly. Health fair and improving.
PATNA DIV.	27 Gya, Nowada " 13 "	0.30	
	" " " " "	0.34	
	28 Shahabad, " 13 "	.43	Weather—cloudy and hot. More rain urgently wanted for paddy, especially where irrigation from canal water is not possible.
	Buxar " " "	.16	
	Gussaram " " "	.35	
	Bhabha " " "	.50	



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR—concl.</b>			
PATNA DIVA.—concl.	29 Durbhanga, Sept. 13 '84	·33	Weather—cool; sometimes cloudy. <i>Bhadai</i> harvest progressing. Transplanting of paddy not yet over. Rain very much wanted indeed. Prices of wheat <i>murwa</i> , and <i>makai</i> falling, and price of rice stationary. Public health good.
	Madhubani	·76	
	Tajpur	Nil	
	30 Mozufferpore, " 13	0·20	Weather—hot and dry, sometimes cloudy, but generally clear. At Mozufferpore only one shower fell during the week. <i>Bhadai</i> harvest is in progress and the outturn will be fair. Cultivation of paddy crop in most places bad, and some loss is inevitable; with a good rainfall a fair yield may yet be obtained.
	Hajipore	0·21	
BAGULPORE DIVA.	Sitamarhi	0·44	
	31 Saran, " 13	0·21	Weather—hot and sultry. Sky overcast, threatening rain. Early <i>Bhadai</i> crops being harvested. From 10 to 12 anna outturn expected. Prospects of <i>aghani</i> paddy dependent on further rain, which is urgently required. Prices fairly steady. Sporadic cases of cholera reported, otherwise public health good.
	Sewan	0·12	
	Gopalgunge	Nil	
	32 Champaran, " 13	1·20	Weather—hot and cloudy. Harvesting of <i>Bhadai</i> crops commenced, outturn below average. Rain much wanted for paddy crop, especially on high lands. Cases of cholera and fever reported from the interior.
	33 Monghyr, Sept. 13 '84	·02	Weather—cloudy; very hot in the day. Want of rain is beginning to be seriously felt, especially in the Sheikpura thana. Prices steady. Public health good.
	Begusarai	·42	
	Jamui	·16	
	34 Bhagulpore, " 13	·09	Weather—clear, with strong sunshine. <i>Bhadai</i> harvest still going on in the north, but almost over in the south. Outturn of maize and <i>murwa</i> about 12 annas, and of <i>Bhadai</i> paddy much below the average. Prospects of <i>aghani</i> paddy not favourable, and great quantity of land remains fallow, and for want of rain paddy planted out is withering in places. Price of rice from 10 to 12½ seers per rupee. New rice selling in the north at from 18 to 20 seers per rupee.
	Banka	·40	
	Mudhepura	Nil	
	35 Purneah, " 13	0·08	Weather—sultry. Rice needs much rain. Fever prevalent.
	Kissengunge	0·59	
	Arrureah	0·31	
	36 Maldah, " 13	0·14	Weather—hot and bright. For want of sufficient rain <i>haimanti</i> paddy crops are withering, especially those on high lands. Common rice selling at 14 seers per rupee. General health good.
ORISSA.	37 Sonthal Pergha, " 13	0·93	Weather—very scanty rain fell during the early part of the week; towards the close it was hot and dry. All sub-divisional accounts are distinctly gloomy, except Jamtara and parts of the Damin; heavy rain alone can avert failure of <i>aghani</i> paddy crop. <i>Bhadai</i> generally very good, nowhere less than the average. Water in bandhs and wells is scarce, and grass drying up.
	Dwighur	·30	
	Godda	·11	
	Rajmehal	·95	
	Jamtara	2·72	
ORISSA DIVA.	Pakour	·85	
	38 Cuttack, Sept. 12 '84	5·23	Weather—seasonable; occasionally cloudy. Reaping of <i>beali</i> going on with about 12 anna outturn. <i>Sarad</i> being weeded and growing well. Heavy rainfall on the 7th, 8th, and 9th has greatly benefited standing crops. Common rice selling at from 15 to 18 seers per rupee in town, and from 18 to 22 seers in the interior. Ordinary fever and a few cases of cholera reported. Rivers subsiding.
	39 Pooree, " 11	9·83	Weather—cloudy and rainy. There has been some rain in pergunnahs Manik-patna, Andhari, Ghat Satpara, and Killah Paricood. Second ploughing is going on in Satpara. Paddy plants of some villages in Pergunnahs Nabang, &c., are under water, which is passing through the breach in the embankment at Rathpurnashottampur. Certain insects called <i>haldigundi</i> have appeared and are causing some damage to paddy crops in pergunnahs Serai, &c. Miscellaneous crops doing well. Common rice selling at an average of 20 seers 4 chittacks Calcutta weight in the Sudder sub-division, and 20 seers 10 chittacks in Khorda. Deaths from cholera reported from pergunnahs Serai and Kothdesb.
	Khoorda	4·64	
	40 Balasore, " 12	2·14	Weather—frequently cloudy and rainy at short intervals. Prospects of crop generally good. Reaping of <i>beali</i> continues. Public health good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
	41 Hazaribagh, Sept. 12 '84	1·72	Weather—warm and cloudy with intervals of sunshine. There having been little rain during the week, prospects have not much improved. <i>Bhadai</i> crops being cut. Prices steady. Small-pox and cholera still reported from the interior. General health good.
	42 Lohardugga, " 13	3·70	Weather—seasonable. There has been a good rainfall during the week, and prospects of all crops are excellent. Prices falling slightly. Public health generally good.
	Palamow (3rd to 9th Sept. 1884.)	2·05	
	43 Singbhoom, " 12	4·10	Weather—seasonable, cloudy and sunny alternately. Heavy rain has fallen all over the district, and prospects have greatly improved. General health good. Cattle-disease reported from several villages.
	44 Manbhoom, " 12	2·13	Weather—seasonable. The recent rain has done much good. Yield of <i>averwa</i> , <i>gondli</i> , Indian corn satisfactory. <i>Goro</i> paddy expected to yield a 12-anna outturn. Prospects of winter paddy favourable. Transplanting, which was at a standstill in pergunnah Bagda has been resumed. Coarse rice 18 seers per rupee in Purulia market. Public health good. Cattle-disease reported from Purulia.
	Govindpore	2·20	
	Barrabazar	4·78	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 16th September 1884.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

## Meteorological Report of the Province of

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.															
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.			
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	Mean fall.
CENTRAL.	Pooree	Gopalpore	29.700	29.551	29.607	29.607	—	90.6	78.0	80.4	81.3	82.0	—	80	—	0.3	—	0.0
		Palae Point*	29.506	29.610	29.638	29.638	+0.00	90.9	71.1	80.1	77.7	82.3	+0.7	79	—	0.1	+0.8	7.45
	Cuttack	Cuttack	29.734	29.485	29.609	29.609	+0.01	90.9	78.9	80.3	78.2	82.8	+0.1	76	—	7.6	+0.7	9.00
	Balasore	Balasore	29.730	29.453	29.594	29.594	—	90.4	78.5	80.2	78.8	82.7	—	81	—	0.7	—	12.00
SOUTH-WEST DISTRICT.	South-West Midnapore and South 24 Pargannas.	Sagar Island	29.615	29.461	29.538	29.538	+0.01	90.3	78.9	80.9	79.9	82.7	+0.3	84	—	0.9	+0.8	7.71
	Midnapore	Midnapore	29.600	29.345	29.464	29.464	—	91.3	78.3	80.0	78.1	82.8	—	78	—	0.8	—	7.07
	24 Pargannas, Howrah, and Hooghly.	Calcutta	29.633	29.497	29.605	29.605	+0.02	90.1	78.7	80.4	78.9	82.9	+0.1	83	—	0.8	+0.7	10.91
	Burdwan	Burdwan	29.781	29.499	29.641	29.641	+0.17	92.1	77.4	80.7	78.8	84.9	+0.3	70	—	5.3	+0.3	8.78
	West Burdwan, Bankura, and Bishnupur.	Raniganj	29.609	29.198	29.513	—	—	90.1	78.9	80.7	77.8	83.3	—	83	—	7.1	—	10.78
	Mooredabad	Berhampore	29.773	29.444	29.600	29.617	+0.17	92.9	77.3	80.6	78.3	84.0	+0.3	81	—	0.1	+0.8	4.00
	Nuddea		Observatory not started.															
	Jessore and Khoulia	Jessore	29.700	29.479	29.589	29.589	+0.16	91.3	78.4	80.1	78.8	82.8	+0.1	81	—	0.9	+1.3	0.0
	Chittagong	Chittagong	29.504	29.488	29.594	29.734	+0.03	90.6	74.0	80.1	78.8	80.4	+0.0	83	—	0.3	+0.3	10.71
	Chittagong Hill Tracts	Dumagri	—	—	—	—	—	90.5	68.3	68.0	—	77.1	+0.0	—	—	0.0	+0.0	20.71
EAST DISTRICT.	Bankerganj	Barisal	29.590	29.481	29.537	—	—	90.9	70.9	80.4	78.8	82.8	—	84	—	0.4	—	7.71
	Naikhatly	Naikhatly	29.540	29.341	29.443	29.733	—	91.3	78.3	80.3	78.9	81.9	—	86	—	7.7	—	10.00
	Farrukpore	Farrukpore	29.597	29.484	29.540	—	—	90.1	78.9	80.2	78.3	82.8	—	82	—	7.0	—	0.0
	Dacca	Dacca	29.548	29.304	29.426	29.604	+0.02	90.6	76.7	80.4	78.0	82.4	+0.3	84	—	7.0	—	5.71
	Cumilla	Cumilla*	29.543	29.345	29.444	29.600	—	90.6	73.8	80.9	78.4	81.8	—	83	—	0.0	—	10.71
	Mymensingh	Mymensingh	29.593	29.476	29.534	—	—	91.3	78.1	80.9	77.3	82.7	—	80	—	0.4	—	10.71
SOUTH DISTRICT.	Bogra and Patna	Serajganj	29.615	29.488	29.551	29.779	—	90.4	78.7	80.7	78.0	82.8	—	83	—	7.7	—	0.0
	Rajshahi	Rampore Benarsh.	29.700	29.388	29.544	29.644	—	90.8	78.0	80.9	77.3	81.9	—	79	—	4.3	—	0.71
	Dinapore	Dinapore	29.717	29.388	29.544	29.644	—	90.9	76.9	80.3	78.4	84.1	—	78	—	5.1	—	4.00
	Bangalore	Bangalore	29.747	29.400	29.573	29.653	—	90.3	73.4	80.3	77.8	82.7	—	81	—	0.8	—	10.71
	Jalpaiguri and Cooch Behar.	Jalpaiguri	29.500	29.380	29.440	29.600	—	90.9	78.1	80.3	78.3	82.7	—	84	—	0.1	—	27.00
	Darjeeling H. Tracts.	Darjeeling*	29.605	29.388	29.497	—	—	71.1	63.7	64.3	64.4	60.9	—	84	—	0.0	+0.3	23.00
NORTH DISTRICT.	Farrukh and North Bhagalpore.	Farrukh	29.724	29.384	29.554	29.654	+0.00	90.3	78.9	81.0	77.0	84.0	+0.4	84	+0.3	0.3	+0.3	7.00
	Mosuffepore and Darbhanga.	Darbhanga	29.607	29.388	29.498	29.603	+0.00	90.4	78.0	80.3	78.3	84.0	+1.1	80	—	0.1	+0.3	0.0
	Mosuffepore	Mosuffepore	29.608	29.344	29.476	—	—	91.3	73.0	80.6	78.3	82.1	—	81	—	0.7	—	0.0
	Champana	Mothari	29.608	29.375	29.415	29.645	—	91.1	70.9	81.0	78.4	82.8	—	76	—	0.8	—	7.71
	Barua	Chupra	29.590	29.307	29.448	—	—	90.0	78.9	80.9	79.1	82.9	—	80	—	0.3	—	10.71
	Dahree	Dahree	29.600	29.115	29.350	29.618	—	94.5	70.0	80.3	78.4	82.8	—	78	—	0.1	—	10.71
SOUTH DISTRICT.	Shahabad	Buxar	29.544	29.245	29.395	29.608	—	90.4	78.9	80.9	78.0	82.4	—	79	—	7.0	—	10.71
		Arrah	29.595	29.301	29.415	29.600	—	90.9	78.3	81.3	78.0	82.4	—	79	—	0.3	—	0.0
	Gya	Gya	29.679	29.070	29.325	29.600	+0.00	90.7	78.3	80.6	77.0	82.1	+0.7	78	—	0.8	+1.4	7.00
	Patna	Benhipore	29.603	29.286	29.445	29.641	+0.15	92.3	78.7	80.9	80.3	82.8	+0.3	80	—	0.0	+1.0	7.00
	South Bhagalpore and Monghyr.	Bhagalpore	29.610	29.388	29.499	29.617	—	90.4	78.4	80.1	78.6	82.3	—	78	—	0.7	—	27.00
	South Pargannas	Naga Doomba	29.584	29.000	29.190	—	—	90.1	75.3	80.1	78.9	82.3	—	80	—	5.3	—	0.0
CENTRAL DISTRICT.	Hazratibagh	Hazratibagh	29.700	29.487	29.593	29.693	+0.01	91.3	71.7	80.1	78.0	82.8	+0.3	81	—	0.7	+1.4	10.71
	Leharvanga and Manbhoom.	Manbhoom	29.661	29.388	29.525	29.600	—	90.4	78.3	80.1	78.3	82.7	—	85	—	0.3	—	11.00
	Manbhoom	Chalchasa	29.613	29.714	29.661	—	—	90.9	74.3	80.3	78.3	82.3	—	77	—	0.0	—	0.0

DISTRICT OBSERVATIONS.											Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.													
Of months.					Since 18th May 1884.								
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.				
8.83	12.84	-3.82	18.6	18.6	27.89	26.76	-0.87	21.9	50.2	Gopalpore	Poores	CENTRAL DIVISION	
10.34	11.47	-0.52	18.3	10.6	21.00	33.57	-3.57	46.2	48.0	Paise Point	Cuttack		
8.48	11.71	-3.23	16.0	14.6	35.91	35.75	+0.16	50.6	53.0	Cuttack	Balasore		
9.36	14.21	-4.85	10.3	20.6	42.82	41.76	+0.88	29.9	58.8	Balasore	South-West Midnapore and South 24-Pargannas.		
7.08	12.26	-0.18	14.3	17.5	30.53	27.12	-0.39	44.3	51.4	Midnapore	Midnapore	SOUTH-WEST BENGAL	
10.64	12.43	-1.59	21.8	21.6	33.36	27.77	-0.82	51.9	55.0	Calcutta	24-Pargannas, Howrah, and Hooghly.		
7.20	12.27	-5.07	10.7	18.4	23.65	24.13	-0.08	46.7	54.4	Burdwan	Burdwan		
9.25	12.14	-3.89	16.7	20.2	27.72	28.78	-11.06	55.0	59.0	Rangun]	West Burdwan, Bankura, and Beerbhoom.		
6.39	11.06	-5.27	14.0	19.6	24.23	24.81	-10.53	48.0	53.2	Berhampore	Moorsheadabad	EAST BENGAL	
8.34	12.61	-6.67	13.8	17.7	24.82	26.40	-11.67	47.8	54.9	Nudda	Nudda		
9.60	12.15	-5.55	18.3	20.8	24.60	26.63	-5.13	57.2	65.6	Jessore	Jessore and Khoulga		
12.04	21.06	-5.42	24.0	23.8	23.79	26.47	-13.68	77.0	70.4	Chittagong	Chittagong		
9.36	19.46	-10.10	26.0	25.0	44.12	62.79	-18.67	85.6	79.2	Demagri	Chittagong Hill Tracts	NORTH BENGAL	
10.76	18.67	-5.51	20.8	24.3	31.93	25.37	-6.44	69.1	77.1	Harral	Backergung		
10.26	22.25	-9.10	23.0	22.9	62.04	23.58	-21.04	71.0	78.7	Noakhilly	Noakhilly		
7.15	12.23	-5.18	15.0	20.6	20.76	41.22	-11.68	51.0	65.6	Purroodpore	Purroodpore		
8.47	13.12	-4.65	20.3	20.3	34.94	43.08	-8.14	66.6	64.3	Dacca	Dacca	NORTH BENGAL	
9.71	16.81	-7.10	16.0	22.5	46.33	53.11	-6.78	61.9	71.5	Comilla	Comilla		
6.73	12.02	-6.09	19.3	20.9	37.31	49.72	-12.21	62.4	60.8	Mymensingh	Mymensingh		
6.05	12.66	-7.64	15.3	17.3	27.96	40.60	-12.65	45.6	55.7	Sermagun]	Boira and Pubna		
6.12	11.69	-6.57	15.3	19.3	25.16	26.86	-11.72	54.3	54.8	Rangpore Beaulah	Rajshalye	NORTH BENGAL	
6.16	12.80	-6.74	17.3	19.0	20.22	42.12	-11.60	55.2	56.6	Dinapore	Dinapore		
7.04	12.44	-6.40	18.5	16.5	26.37	26.10	-17.79	61.8	66.1	Rangpore	Rangpore		
22.00	22.73	+0.17	20.4	20.6	70.23	24.54	-5.01	70.6	72.6	Jalpaigore	Jalpaigore and Cooch Behar.		
22.12	22.63	-3.30	27.8	22.3	20.35	117.25	-21.00	80.0	55.8	Darjeeling	Darjeeling Hill Tracts	NORTH BENGAL	
8.16	12.51	-4.39	16.4	17.8	23.59	41.63	-7.73	60.2	50.1	Purneah	Purneah and North Bhagpore.		
6.13	10.14	-4.02	9.8	12.8	22.02	30.46	-8.44	24.8	41.2	Durbhanga	Moatterpore and Durbhanga.		
6.21	12.68	-5.67	10.7	14.3	22.37	21.66	-2.69	25.0	30.8	Moatterpore	Moatterpore		
9.20	9.30	-1.31	12.5	12.1	21.64	20.27	-7.68	28					

### Table of Rainfall recorded at Station.

Metereological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
UNIONA	Pooree	Pooree	0.45	0.44	...	...	...	...	...	...	...	0.58	0.08	...	0.44	...	0.45	...	...	1.14	0.82	0.37
		Kharid	0.21	0.08	0.08	0.22	0.02	...	...	...	...	0.26	0.18	...	0.18	0.50	0.24	...	...	0.40	0.20	0.90
		Banpur	0.50	...	...	...	...	...	...	...	...	...	...	...	1.04	...	...	...	...	0.48	0.60	0.80
		False Point	1.18	0.74	0.91	0.08	...	...	...	...	...	1.86	0.78	0.08	0.11	...	0.99	...	0.63	0.81	...	0.10
	Cuttack	Hookid	1.76	1.06	0.02	0.61	...	...	...	...	...	0.24	...	...	0.18	...	0.09	...	...	...	...	...
		Jantelingspore	1.66	0.80	1.45	...	...	...	0.70	0.12	0.79	...	...	...	0.80	...	1.50	...	0.60	0.45	0.40	0.80
		Banki	0.11	...	0.10	...	...	...	0.04	0.07	...	0.01	...	...	...	0.10	0.24	0.01	...	0.35	0.01	0.80
		Cuttack	0.90	0.08	0.05	0.35	...	...	...	0.19	0.03	1.10	0.08	0.08	1.80	1.09	0.11	...	0.67	0.15	...	1.10
	Balasore	Kendrapore	0.79	...	0.00	1.30	...	...	0.10	0.05	...	1.10	...	...	0.20	...	1.40	0.19	...	0.85	...	0.45
		Jajpore	0.70	...	1.51	...	...	...	...	...	0.53	1.42	...	...	...	...	0.31	...	0.61	...	...	0.35
		Chandball	2.00	...	2.40	0.44	...	...	0.66	1.57	0.04	0.05	...	...	0.10	...	...	...	0.00	...	...	0.67
		Bhudduck	...	...	1.30	...	...	...	...	...	0.02	...	...	...	...	0.10	...	0.15	...	1.11	...	0.24
SOUTH-WEST	M	Sorah	...	0.70	0.30	0.10	...	...	...	...	0.15	0.00	...	...	0.10	...	0.15	...	0.10	...	...	0.75
		Balasore	0.02	...	0.30	...	0.54	...	...	...	1.72	0.09	...	0.77	0.36	0.36	0.42	...	0.04	...	...	0.30
		Jajpore	0.70	...	0.30	...	...	...	...	0.10	0.10	...	...	0.30	0.10	0.15	0.20	...	0.04	...	...	0.30
		Baripada	0.74	1.04	0.30	0.01	...	...	...	...	0.24	...	...	0.60	0.80	1.18	0.25	0.08	...	0.63	0.01	...
	St-Parganah	Cortal	...	0.44	1.10	1.24	...	...	...	...	1.42	...	...	...	1.14	0.06	0.61	0.67	0.07	...	0.20	...
		Sagar Island	...	0.39	0.08	0.21	...	...	...	...	0.34	0.10	0.23	...	0.10	0.19	0.61	...	...	...	...	...
		Tumuk	...	0.00	...	...	1.00	...	0.20	...	0.70	...	...	...	...	1.00	...	...	...	1.10	0.40	...
		Midnapore	...	0.10	1.48	...	...	0.50	...	...	1.90	0.18	...	0.40	...	0.16	0.23	...	0.38	...	...	...
	Diamond Har-	Ghat	...	0.20	...	...	0.08	0.18	...	...	0.35	0.67	...	0.37	0.10	2.08	0.37	...	...	...	...	...
		bours.	0.08	...	1.00	0.31	0.74	1.62	...	0.19	1.55	0.09	0.02	...	0.02	...	0.27	0.11	...	0.45	0.21	...
		Alipore Jail	...	0.80	0.50	0.33	...	0.08	...	...	0.51	0.80	1.82	...	0.							

**Explanation**—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank.

In Bengal in August 1884.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Station.	District.	Meteorological division.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

Blank. If some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.



Table of Rainfall recorded at Station

Metereological Division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BENGAL	Fulna	Fulna	...	...	0.05	0.15	0.15	...	...	0.05	0.04	0.05	...	0.04	1.05	0.05	0.05	0.05	0.05	0.05	0.11	0.05
		Berhampore	...	0.12	0.25	...	...	...	...	0.05	0.03	...	0.77	1.05	0.01	0.17	0.25	...	...	0.05	0.11	0.05
	Bogra	Sherpore	...	...	0.27	...	...	...	...	0.50	...	1.10	...	...	...	0.31	...	...	...	...	...	0.19
		Nowshilla	...	0.45	0.25	...	...	...	...	0.31	0.04	0.10	0.70	0.13	0.03	0.23	0.10	0.05	...	...	...	...
		Bogra	...	0.03	0.28	0.03	...	...	...	0.30	0.02	0.19	0.17	0.05	0.22	0.04	0.24	...	...	...	...	...
		Panchbibi	...	...	0.35	0.19	...	...	...	0.45	...	0.22	0.30	0.35	0.13	0.00	0.17	...	...	...	...	...
	Rajshahy	Beaulah	...	...	0.28	0.07	0.05	...	...	0.01	0.13	0.00	0.01	0.04	0.02	1.31	0.07	0.41	0.07	0.03	0.03	...
		Natore	...	...	...	...	...	0.40	...	...	...	...	...	...	...	0.40	0.00	0.30	0.70	0.15	...	...
	Maldah	Nongong	...	0.18	...	...	...	0.53	...	...	...	0.80	0.80	0.30	0.23	0.04	0.31	0.15	...	0.03	...	0.10
		Maldah	...	0.02	0.11	0.10	...	...	...	...	0.20	0.41	0.45	...	0.50	1.50	0.10	0.24	...	...	...	...
	Dinagore	Mohadebore	...	0.04	0.25	0.08	0.27	...	...	0.30	...	0.15	...	0.35	1.04	0.50	0.13	0.07	...	...	0.09	...
		Chittagong	...	1.35	0.44	0.08	...	...	...	0.18	...	0.40	0.07	1.04	1.04	0.05	0.07	...	0.30	0.17	0.13	...
		Dinagore	...	0.17	0.44	0.07	...	...	...	0.13	1.25	0.06	0.12	0.44	0.00	0.03	0.03	0.03	0.19	0.01	0.20	...
		Dinagore	...	0.70	0.23	0.15	0.04	...	...	0.25	0.05	0.17	0.09	0.54	0.05	0.19	0.22	...	...	...	...	0.20
	Rangpur	Thewahunge	...	...	...	...	...	...	...	0.70	...	...	...	0.39	...	2.33	0.31	...	...	...	...	...
		(Gopalpore)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rangpur	...	...	0.13	...	0.02	...	0.02	1.40	...	0.06	4.17	0.04	0.57	0.70	0.41	...	0.43	0.03	0.24	0.13
		Karaimon	...	...	...	...	...	...	0.30	0.85	...	0.06	1.34	...	0.00	0.32	0.04	...	0.11	0.08	0.10	0.07
	Jalpaiguri	(Niphomari)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jalpaiguri	...	...	...	3.30	0.11	0.34	...	1.00	...	3.34	3.04	2.03	2.03	0.37	...	0.35	0.16	...	0.13	0.26
	Cooch Behar	Dinhatia	...	...	0.23	0.03	...	...	...	1.66	...	0.01	3.72	0.03	...	0.06	0.03	...	0.03	0.03	0.13	...
		Cooch Behar	...	...	0.25	...	...	...	...	1.27	...	0.22	1.05	0.07	0.07	0.30	0.22	...	...	...	...	...
		Muckhunge	...	0.30	0.35	...	...	...	...	0.28	...	0.31	2.45	0.15	0.30	0.10	...	...	...	...	...	...
		Matabhanga	...	...	0.11	...	0.03	...	...	0.11	...	0.20	1.46	0.03	0.19	0.25	0.02	0.15	...	...	...	0.20
NORTH BENGAL	Darjeeling Hill	Bura	...	...	0.80	0.40	3.02	0.04	...	1.10	0.30	...	3.74	0.08	1.83	1.13	0.13	0.42	0.80	0.28	0.30	0.81
		Siliguri	...	...	1.02	0.01	0.13	1.02	...	0.47	...	1.34	1.04	0.11	0.31	0.02	0.45	0.32	...	0.02	0.25	0.41
		Darjeeling	...	...	0.03	1.47	0.11	0.23	0.20	0.83	0.04	0.32	0.41	0.00	1.43	0.51	0.17	0.71	0.13	0.09	0.07	0.03
		Kampong	...	...	2.04	2.00	0.12	0.25	...	...	...	0.34	0.02	...	...	0.33	0.48	2.00	0.00	0.21	0.04	0.03
	Purulia	Kimnagunge	...	0.02	0.00	0.09	0.40	...	...	0.14	...	1.03	1.04	0.70	0.23	1.41	0.11	0.04	...	0.31	0.30	0.10
		Arruah	...	...	...	...	0.19	...	0.14	0.70	...	1.04	2.51	0.11	...	1.11	0.08	...	...	1.00	0.47	...
		Arruah	...	...	0.13	0.16	...	...	...	...	...	0.09	0.05	1.34	0.32	1.04	0.40	0.03	...	...	...	...
		Scopul	...	...	0.11	...	...	...	...	...	...	0.30	...	1.15	1.34	2.05	0.10	0.25	0.13	...	0.43	...
	North Bhagalpur	Maldepore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Scopul	...	...	...	0.24	...	0.03	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Scopul	...	...	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Scopul	...	...	0.08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Purulia	Darbhanga	...	...	0.19	0.30	...	0.23	...	...	...	...	...	...	...	...	...	...	...	...	...	0.26
		Darbhanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Machubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Machubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Moulvibazar	Baranagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Moulvibazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Moulvibazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Moulvibazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumpra	Moulvibazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chumpra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chumpra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chumpra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH BENGAL	Shahabad	Bura	...	...	0.30	...	0.14	0.47	0.30	...	0.32	...	0.54	0.08	0.18	...	2.09	0.34	0.33	0.30	0.20	...
		Bura	...	...	0.10	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bura	...	...	1.00	0.10	1.45	...	0.10	0.10	...	0.45	0.30	3.10	0.00	0.70	1.00	...	...	...	...	...
		Bura	...	...	0.10	0.10	0.02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gya	Arruah	...	...	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gya	...	...	0.05	0.10	0.00	0.17	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowadah	...	...	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad	...	...	0.25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna	Patna	...	...	0.07	0.40	0.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patna	...	...	0.00	0.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patna	...	...	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patna	...	...	0.40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr	Regoneal	...	...	0.25	...	...	0.52	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	0.05	0.14	...	...	0.16	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	...	0.30	...	...	...	0.30	0.00	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagalpur	Rhagopore	...	...	0.02	0.31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banka	...	...	0.45	...	0.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banka	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sonhal Pergunah	Rajmahal	...	...	0.25	0.10	0.20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sonhal	...	...	0.24	0.31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sonhal	...	...	0.53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sonhal	...	...	0.17	0.17	0.41	0.51	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CENTRAL	Basaribagh	Basaribagh	...	...	0.00	0.00	0.24	0.09	0.03	...	0.14	0.20	...	...	...	...	...	...	...	...	...	...
		Basaribagh	...	...	0.00	3.17	0.49	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Basaribagh	...	...	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Basaribagh	...	...	0.35	0.41	0.45	1.21	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lohardurga	Lohardurga	...	...	0.37	0.24	1.67	0.55	0.02	0.25	0.02	0.38	0.16	0.20	0.30	0.48	0.04	0.41	1.43	0.03	0.34	0.15



[illegible]

Table for July 1884.

0:10	1:40	0:10	.....	0:30	.....	0:40	..	1:20	0:40	0:00	22	?	14:00	?	2:00	20:00	?	Jhoomrsh Hills.
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Ann. 1. In some of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

JOHN ELIOT,  
Meteorological Reporter to the  
Government of Bengal.

### METEOROLOGICAL AND RAINFALL SUMMARY OF THE PROVINCE OF BENGAL FOR THE MONTH OF AUGUST 1884.

The month of August resembles July in all its more important meteorological features. South-west monsoon winds continue with undiminished force, and give amounts of rain over the whole province differing little from those of the previous month. In normal years, the winds commence to diminish in strength, but this change proceeds very slowly until the beginning or middle of September. The greater part of the rainfall of the province is brought up by the Bay of Bengal monsoon current: a considerable portion of the rainfall of Chutia Nagpur and South Behar is, however, undoubtedly due directly to the Bombay branch, or to its inter-action with the Bay of Bengal branch. These two currents supplement each other's action, and hence give approximately uniform rainfall over the greater part of the province. The only districts which receive amounts decidedly larger than the remainder of the province are those in the immediate neighbourhood of the hills in Northern and Eastern Bengal and those bordering on the sea, more especially in South and South-East Bengal.

There are strong reasons for believing that many of the local meteorological peculiarities which influence and determine the distribution of the rainfall at and after the commencement of the south-west monsoon are established during the hot weather months. In other words, the action of the great heat and large differences of temperature at that time tends to establish local peculiarities of one kind. The action of rainfall, accompanying as it does approximate uniformity of temperature, tends to remove or smooth away these peculiarities, and to introduce others of a different nature. Hence the relative meteorological conditions of the various portions of the province slowly alter; and, although it rarely occurs that the general character of the monsoon is modified during its sway, the local distribution frequently varies very largely during the course of the monsoon. This often begins to show itself in the month of August, after the heavy rainfall of July, which is usually sufficient to produce considerable local changes of meteorological features or conditions.

The normal distribution of the rainfall of the month is comparatively simple. The average August rainfall exceeds 20 inches in two localities: the first includes the Chittagong, Noakholly, and Backergunge districts; and the second the Julpigoree, Cooch Behar, and Darjeeling districts. The line of 15 inches average rainfall, and between which and the two areas above mentioned, it varies between 15 and 20 inches, runs nearly parallel to the coast from Saugor Island, turns to the north, and runs parallel to the Tipperah and Sylhet hills, and through the centre of the Rungpore district, to Kissenjunge in the Purneah district. The greater part of Chutia Nagpur, South-West, Central, and North Bengal, and a large part of East Bengal receives an average of between 12 and 15 inches. The average rainfall of the greater part of Behar ranges between 10 and 12 inches. The central districts of Behar have an average rainfall slightly less than 10 inches.

*Meteorology of the month.*—The chief feature of the past month was the unusually small rainfall. In this respect it resembled the previous month, and the deficiency was most marked over the same areas. Hence the general character of the monsoon was unchanged during the month, although some slight local differences in the distribution of the rainfall occurred. The general character of the rainfall of the province is sufficiently indicated by the fact that rain fell on 16 days or on 87 per cent. of the average or normal number of rainy days during the month, and that an average amount of nine inches was received, the normal average fall being thirteen inches. Hence only 69 per cent. of the normal amount was obtained. In fact not merely was the number of rainy days smaller than usual, but the showers were feebler; and, as always happens in a weak monsoon, the rainfall was very unequally distributed, so that adjacent stations received very different amounts. Thus, to take a striking example, Julpigoree received 40 inches (14 inches in excess), whilst the neighbouring station of Bogdogra (only 40 miles to the S. S. E.) obtained 4.26 inches or 13½ inches less than its normal amount.

During the first week of the month a slight disturbance formed at the head of the Bay, and passed across the Balasore coast. It gave moderate rain to Orissa and South-West Bengal. A break in the rains obtained in North Bengal and Behar. The next week witnessed an advance of moderately strong monsoon southerly winds into Bengal, and of westerly winds from the Bombay coast into Behar. This has been the only occasion during the present month up to the end of August, when both branches of the monsoon current have influenced the weather in the province. Moderately heavy rain fell over the whole province during the second week of the month. This general burst of monsoon winds died away at the commencement of the third week, and was succeeded by a comparatively dry period. Local showers fell, more especially in East and South-West Bengal, but the total rainfall was very deficient in almost every part of the province. During this period, which lasted until the end of the month, two areas received locally heavy rainfall. The first included the Julpigoree, Cooch Behar, and Darjeeling districts, where heavy showers fell between the 21st and 26th. The second area included the Durbhunga, Mozufferpore, and Chumparan districts, which received a general heavy fall, averaging nearly two inches, on the 25th.

The rainfall in the month has hence been deficient in every division and district (except Julpigoree). The deficiency is least in Orissa, and is somewhat greater in East and North Bengal than in the remaining divisions. The Bogra, Rajshahye, Bhagulpore, Jessore, Nuddea, Dinagepore districts and the Sonthal Pergunnahs are those which have received less than 50 per cent. of the normal rainfall of the month. These hence give the area of most deficient rainfall during the past month. They were also included amongst the districts of most deficient rainfall during the preceding month.

*Barometric depressions and storms of the month.*—The month of August contrasts strikingly with the preceding month of July in the almost entire absence of cyclonic disturbances. The following describes briefly the two storms which were generated near the head of the Bay, and passed into the province during the month.

*1st.*—Small cyclonic storm of the 31st July to the 4th August. The Akyab observations indicated the existence of an eddy or small atmospheric whirl in front of an advance of strong monsoon winds on the 31st of July. The winds shifted round in South Bengal to directions between north-east and north-west on the 1st and 2nd of August, and the disturbance increased in intensity. It advanced across the Balasore coast on the morning of the 3rd, and passed rapidly through Chutia Nagpur and South Behar, and disappeared beyond the limits of Bengal into the North-West Provinces on the evening of the 4th. It gave moderate rain to Orissa, South-West Bengal, and East Bengal on the 2nd, 3rd, and 4th and to North Bengal, Chutia Nagpur, and Behar on the 3rd and 4th.

*2nd.*—Small cyclonic storm of the 26th and 27th August. This was a very small disturbance which was generated off the Ganjam and Orissa coasts on the 25th and 26th. The centre crossed the Ganjam coast near Gopalpore on the evening of the 26th, and advanced across the neighbouring hills into the Central Provinces. It gave moderate rain to Orissa, and the adjacent districts of South-West Bengal.

*Rainfall.*—The rainfall of the past month, like that, of July, was very considerably in defect over the larger proportion of the province, and was very unequally and irregularly distributed both as to time and locality. The deficiency was not so much due to the occurrence of prolonged breaks in the rains as to actual unusual lightness of the showers, so that in this respect it resembled the meteorology of the past two monsoons.

*Time Distribution of Rainfall of month.*—The slight disturbance which crossed the Balasore coast on the 3rd brought up comparatively small supplies of vapour. Light showers fell in South-West and East Bengal on the 2nd. The rainfall was larger in amount on the 3rd, and extended over the whole province with the exception of the Mozufferpore, Chumparun, and Sarun districts. Rain fell in smaller amounts on the 4th over the whole province, excepting the western and central districts of Behar. Showers fell on the 5th and 6th in South-West and East Bengal. A break in the rains commenced over a large part of this province on the 5th and extended to the whole province on the 7th and continued until the 9th. Moderate supplies of vapour then began to be poured into the province by the Bengal branch of the monsoon current; and the Bombay branch, for the first time during the present rains, extended westwards on the 10th and 11th into Chutia Nagpur and South Behar. The combination of these two actions gave heavy rainfall to Behar, and the northern districts of Chutia Nagpur, and moderately heavy rain to Bengal, during the next five days. Moderate rain fell in South-West Bengal, and Orissa, and light showers in East Bengal, on the 9th. General rain was received on the 10th in North Bengal, Orissa, and the greater part of South-West Bengal, and moderate showers in East Bengal. Rain also commenced on this day in Behar, occurring as heavy local showers. The 11th was a day of general, and in many cases, heavy, rain over the whole province, excepting Orissa. The following falls exceeding 3 inches were registered:—

Rungpore	...	...	...	4.17 inches.
Julpigoree	...	...	...	3.94 "
Buxa	...	...	...	3.78 "
Dinhatta	...	...	...	3.72 "

General rain again fell over the whole province excepting Orissa and South-West Bengal on the 12th. It was heaviest in South Behar. Falls slightly exceeding three inches were recorded at Dehree, Sasseram, Dinapore, and Jamui. General rain occurred over the whole province (excepting Orissa) on the 13th, 14th, and 15th. The distribution was less unequal than on the 12th and 18th, and the amounts generally smaller. The only heavy rainfalls were again registered in South Behar, at Sasseram, Jehanabad, and Jamui, which received amounts slightly exceeding three inches on the 14th or 15th. This burst of general rain was succeeded by a dry period or break in the rains, which commenced on the 16th. Local showers of no great importance fell between that date and the 20th, when the break in the rains became more pronounced, and fine clear weather set in over the whole of the interior. Heavy local rain occurred at Julpigoree during this period. It received 6.94 inches on the 21st and 7.82 inches on the 22nd. The break in the rains practically continued until the end of the month.

During the last week, the southerly winds brought up small supplies of vapour, which was discharged in frequent light local showers, chiefly in Orissa and South-West Bengal. This accompanied the disturbance which crossed the Ganjam coast, and was followed by a slight inrush of winds into Bengal, which gave light to moderate showers in East Bengal and the eastern districts of South-West Bengal. Heavy local rain fell in the Julpigoree, Cooch Behar, and Darjeeling districts on the 26th and 27th.

Moderately heavy rain also occurred during this period over a portion of North Behar, including the Durbhunga, Mozufferpore, and Champaran districts, on the 25th. The following gives the heaviest falls:—

Motihari ...	...	...	...	8.11 inches.
Madhubani ...	...	...	...	2.7 "
Mozufferpore ...	...	...	...	2.47 "
Durbhunga ...	...	...	...	2 "

With these local exceptions, the break in the rains lasted until the end of the month.

*Local distribution of the rainfall of the month.*—The distribution of the rainfall of the month is so irregular that it is not possible to describe it fully and accurately.

It exceeds 20 inches at Chittagong, and over the greater part of the Cooch Behar, Julpigoree, and Darjeeling districts.

It exceeds 10 inches in a large number of limited and isolated areas including the following:—

1st.—Hazaribagh, the southern portions of Gya and Shahabad, and part of Lohardugga.

2nd.—The greater part of the Cuttack and Balasore districts.

3rd.—Part of the Burdwan and Bankoorah districts, including, and represented by the stations of Raneebunge and Bankoorah.

4th.—The greater part of the Howrah and Hooghly districts.

5th.—Part of the 24-Pergunnahs, represented by Diamond Harbour and Buseerhat.

6th.—The Chittagong and Noakholly districts, the greater part of Backergunge and Commillah, the north-east half of Mymensingh, and small portions of Purneah, Dinagepore, and Rungpore (nearest the hills).

Over the remainder of the province the rainfall was less than 10 inches in amount. There were five areas of least or minimum rainfall, in which the total amounts received during the month were less than four inches. They were:—

1st.—A longish narrow area in North Behar including Durbhunga and Soopool.

2nd.—A small area represented by the station of Bhagulpore, which only received 2.69 inches during the month.

3rd.—A small area in the Nuddea district represented by Krishnaaghar, which received only 2.87 inches during the month.

4th.—A small area in the Jessore district represented by Magoorah, where the total rainfall of the month was 3.10 inches.

5th.—A longish narrow area in North Bengal, running north and south, and represented by the stations of Bogra, Sherpore, Nowkhilla, and including nearly the whole of the Bogra district and a small portion of Rungpore. Bogra received the least rainfall in this area, viz., 3.15 inches.

The only district where the rainfall (considerably) exceeds the average is Julpigoree. Portions of Cuttack, Pooree, Shahabad, Gya, Hazaribagh, Sarun, and the 24-Pergunnahs received rainfalls slightly in excess of the normal amount.

The rainfall is less than two inches in defect in Cuttack, the 24-Pergunnahs, Howrah, Hooghly, Sarun, Gya, and Hazaribagh. It is between two and four inches in defect in Pooree, Cuttack, Bankoorah, Beerbhoom, Darjeeling, Champaran, Shahabad, Patna, and Bhagulpore. It is between four and six inches in defect in Burdwan, Moorshedabad, Chittagong, Jessore, Backergunge, Furreedpore, Dacca, Purneah, Durbhunga, Manbhoom, and the Sonthal Pergunnahs. The deficiency varies between six and eight inches in Midnapore, Nuddea, Commillah, Bogra, Rajshahye, Dinagepore, Rungpore, and Singbhoom. It was greatest in amount in the Noakholly district and Chittagong Hill Tracts, where it was 9.1 inches and 10.1 inches respectively. Hence the deficiency was absolutely greatest over the greater part of North and Central Bengal and East Bengal.

The following table gives complete data for the comparison of the actual and normal rainfall of the month of August in every district of the province. The figures are derived from the average and actual rainfall of the rain recording stations in each district, due allowance or weight being made for the area which each station represents. This method of calculation furnishes more accurate and reliable averages than the arithmetical mean district rainfalls given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall for the past month as determined in a similar manner from the actual rainfalls of the month at the registering stations in each district. The third column expresses the ratio of the actual district rainfall to the normal expressed as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the rainfalls of each district for the past month varied in excess or defect from the

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normal rainfall, and hence gives the differences between the numbers in the third column and 100.

Division.	District.	Normal district rainfall, August.	Actual district rainfall, August 1884.	Percentage of actual to normal rainfall.	Percentage excess (+) or defect (-)
Orissa	Pooree	11.70	8.63	73	-27
	Cuttack	11.72	10.64	91	-9
	Balasore	11.41	8.21	72	-28
	Midnapore	11.94	7.10	60	-40
	24-Pergunnahs	12.40	7.87	62	-38
	Howrah	12.38	8.94	72	-28
South-West Bengal	Hooghly	12.92	10.90	84	-16
	Burdwan	12.31	8.52	69	-31
	Bancoora	11.80	9.65	82	-18
	Beerbhoom	12.68	9.88	78	-22
	Nuddea	11.93	5.88	49	-51
	Khoolna	12.06	8.33	69	-31
	Jessore	11.43	5.50	48	-52
	Moorshedabad	11.47	6.23	54	-46
	Chittagong	21.67	15.32	71	-29
	Backergunge	15.09	9.86	65	-35
East Bengal	Noakhully	22.64	17.28	76	-24
	Furzedpore	11.85	7.67	64	-36
	Dacca	12.46	7.57	61	-39
	Comilla	16.30	10.88	67	-33
	Mymensing	13.81	10.18	74	-26
	Pubna	12.94	6.49	50	-50
	Boera	12.15	8.72	72	-28
	Rajshahye	11.27	5.09	45	-55
North Bengal	Mulda	9.75	5.24	54	-46
	Dinapore	11.77	5.92	50	-50
	Rangpore	12.81	7.64	59	-41
	Cooch Behar	20.28	18.95	93	-7
	Jalpigoree	26.63	30.79	115	+15
North Behar	Purneah	13.15	11.43	85	-15
	North Behar	11.90	5.18	43	-57
	Durbhanga	10.90	6.87	63	-37
	Mozufferpore	9.73	5.54	57	-43
	Chumparan	11.66	8.26	71	-29
	Saran	9.73	8.62	89	-11
	Shahabad	10.91	9.63	88	-12
South Behar	Gya	10.54	9.43	89	-11
	Patna	9.75	6.27	64	-36
	Monghyr	10.62	9.88	93	-7
	South Bhagalpore	10.81	4.55	42	-58
	Sonthal Pergunnahs	11.49	5.73	50	-50
Chutia Nagpur	Hazaribagh	14.07	11.75	83	-17
	Lohardugga	11.16	9.25	83	-17
	Singbhoom	13.64	7.31	54	-46
	Manbhoom	12.44	7.58	61	-39

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the month of August 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.		Since 16th May 1884.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	93.0	71.1	87.3	78.9	83.1	+0.3	9.87	11.91	-2.04	17.7	17.8	-0.1	32.06	35.06
South-West Bengal	96.3	75.7	85.9	76.4	83.7	+0.1	8.02	12.60	-4.58	17.3	19.8	-2.5	30.04	37.38
East Bengal	91.8	69.3	80.4	76.0	81.2	-1.22	10.03	16.33	-6.30	19.1	22.3	-3.2	46.50	52.04
North Bengal	92.3	73.1	82.5	77.0	83.0	-	9.81	15.28	-5.47	16.0	18.7	-2.7	42.15	53.67
North Behar	97.3	76.8	91.2	78.4	84.4	+0.1	7.70	11.30	-3.60	12.0	13.8	-1.8	27.08	30.08
South Behar	97.3	75.3	89.7	78.7	84.2	+0.7	7.02	11.74	-4.72	13.1	16.1	-3.0	21.12	31.78
Chutia Nagpur	97.3	76.8	85.6	78.6	78.1	+0.2	9.61	13.10	-3.49	17.3	20.5	-3.2	25.25	33.07

\* Chybam not included.

METEOROLOGICAL OFFICE, BENGAL,  
The 16th August 1884.

JOHN ELIOT,  
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## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														
			AIR PRESSURE.			WIND.		TEMPERATURE.								Humidity at 10 A. M.	Average cloud amount at 10 A. M. for a week.
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature of day.	Mean daily mean temperature.	Variation from normal mean of week.				
Oude.	Poorce ...	Gopalpore ...	29.676	29.726	—	SW	247	85.6	78.8	83.0	78.7	80.9	—	80.7	86	7.6	
	False Point ...	False Point ...	29.686	29.718	—0.030	NW	216	87.9	73.1	84.4	78.0	80.2	—3.0	81.3	85	7.6	
	Cuttack ...	Cuttack ...	29.658	29.717	—0.059	SW & (alm) SE	81	86.9	73.3	84.3	76.0	80.2	—3.5	81.4	83	6.9	
	Balasore ...	Balasore ...	29.643	29.702	—	SE	74	86.0	73.7	84.2	76.8	80.3	—	81.3	87	8.4	
South-West Bengal.	South-West Midnapore ...	Rangpur Island ...	29.703	29.759	—0.014	SE	234	86.3	77.0	83.2	78.0	81.7	—1.4	83.0	86	7.9	
	South St. Pergunnah ...	Midnapore ...	29.681	29.733	—	SE & NE	118.6	87.8	75.3	83.7	76.2	81.0	—	83.8	89	7.1	
	Midnapore ...	Midnapore ...	29.734	29.746	+0.012	SE	127	87.6	74.2	84.9	76.3	80.6	—2.1	82.7	82	7.3	
	Howrah ...	Howrah ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	Hoochly ...	Hoochly ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	Burdwan ...	Burdwan ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	Bankura ...	Bankura ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	Barabhoom ...	Barabhoom ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	West Hurdwan ...	West Hurdwan ...	29.657	29.757	+0.023	E	90	86.1	76.4	87.1	77.7	82.4	—1.4	83.5	76	6.9	
	Moorehadebad ...	Berhampore ...	29.700	29.767	+0.036	E	118.4	86.6	76.8	87.6	77.6	82.6	—1.6	84.4	77	8.4	
	Nudda ...	Nudda ...	29.700	29.767	+0.036	E	118.4	86.6	76.8	87.6	77.6	82.6	—1.6	84.4	77	8.4	
	Jessore ...	Jessore ...	29.726	29.780	+0.054	E	123	86.3	75.0	86.8	77.5	82.2	—1.4	83.0	81	8.9	
East Bengal.	Khoolna ...	Khoolna ...	29.726	29.780	+0.054	E	123	86.3	75.0	86.8	77.5	82.2	—1.4	83.0	81	8.9	
	Chittagong ...	Chittagong ...	29.726	29.780	+0.054	SE	79	86.1	75.0	85.7	75.8	80.5	—0.8	83.3	81	6.0	
	Chittagong Hill Tracts ...	Demagiri ...	29.731	—	—	SE	112.9	86.1	76.4	83.1	77.2	80.1	—	81.9	80	7.4	
	Backergunge ...	Barisal ...	29.780	29.830	—	SE	121.4	86.7	76.5	85.0	77.1	81.4	—	83.7	76	8.6	
	Noakholly ...	Noakholly ...	29.731	—	—	SE	112.9	86.1	76.4	83.1	77.2	80.1	—	81.9	80	7.4	
	Furzedpore ...	Furzedpore ...	29.709	29.791	+0.082	SE	103	84.8	76.7	80.0	77.7	83.9	+0.5	83.7	75	3.9	
	Dacca ...	Dacca ...	29.763	29.798	—	SE	63.4	80.4	74.8	87.9	76.3	82.1	—	83.3	80	3.1	
	Comillah ...	Comillah ...	29.760	—	—	SE	Rejct. cl.	91.3	79.1	83.0	76.0	82.0	—	83.0	82	6.3	
	Mymensingh ...	Mymensingh ...	29.742	29.789	—	SE	113.4	86.6	74.2	88.4	76.9	82.7	—	84.7	78	6.0	
	Bogra and Natuna ...	Serajpore ...	29.674	29.744	—	E	179.3	87.6	71.7	85.0	78.3	80.1	—	83.3	82	8.1	
	Rajshahye ...	Rampore Beaulah ...	29.639	29.770	—	SE	118.8	86.6	73.0	89.5	76.7	83.2	—	85.6	76	3.0	
	Dinapore ...	Dinapore ...	29.666	29.790	—	SE	66	82.3	76.6	80.0	76.6	83.3	—	85.9	73	4.7	
North Bengal.	Jalpaigore ...	Jalpaigore ...	29.606	29.792	—	SE	81.4	85.0	73.1	80.1	75.7	82.9	—	85.1	76	4.1	
	Cooch Behar ...	Cooch Behar ...	23.016	—	—	ENE	76	68.1	63.1	68.5	64.6	66.0	—	62.6	87	6.7	
	Darjeeling Hill Districts ...	Darjeeling ...	29.640	29.772	+0.132	Calm	27	82.7	75.6	81.2	76.5	83.9	—0.3	85.7	78	8.0	
	Purneah ...	Purneah ...	29.577	—	—	SE	—	82.8	75.3	81.6	76.5	84.0	—	86.9	76	8.0	
	North Bhagulpore ...	North Bhagulpore ...	29.603	29.770	+0.167	SE	161	82.6	78.0	80.5	79.3	84.3	+1.1	86.6	75	8.6	
	Durbhanga ...	Durbhanga ...	29.627	29.765	—	SE	186.3	84.6	75.6	82.5	77.4	85.0	—	87.7	67	5.0	
	Champaran ...	Mothari ...	29.643	—	—	SE	85.4	83.5	76.0	81.6	77.3	84.5	—	87.4	73	4.9	
	Sarus ...	Chupra ...	29.646	29.719	—	E	207.0	89.9	77.0	87.5	78.3	83.8	—	85.5	73	8.6	
	Shahabad ...	Buzar ...	29.616	29.710	—	SE	130.0	83.4	76.6	81.5	78.0	84.9	—	86.6	73	8.0	
	Gya ...	Gya ...	29.631	29.707	+0.076	E	88	84.2	75.3	82.2	76.5	84.3	+0.3	87.0	66	9.3	
	Patna ...	Bankipore ...	29.673	29.750	+0.077	E	141	84.4	78.7	82.6	79.6	86.1	+1.6	88.9	71	8.9	
	South Bengal.	South Bhagulpore ...	Bhagulpore ...	29.504	29.756	—	SE	87	81.9	78.5	89.8	77.8	83.8	—	85.2	73	1.6
Moonghyr ...		Moonghyr ...	29.261	—	—	SE	189.1	85.1	74.6	84.4	78.3	81.0	—	82.8	90	4.1	
South Pergunnah ...		Dooma ...	27.753	29.760	+0.007	E	243	87.5	76.3	82.0	78.2	82.1	—1.4	76.8	84	10.9	
Hazaribagh ...		Hazaribagh ...	27.616	29.747	—	—	—	86.6	69.2	78.6	10.0	74.5	—	76.3	87	8.6	
NAGPORE.	Manbhoom ...	Manbhoom ...	29.654	—	—	ENE	84.7	86.3	74.7	86.0	78.6	80.8	—	81.3	85	8.0	

\* Observations for 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same time. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of the rainfall in that district determined from the stations sent in by the sub-divisions from the district (6.e), the total rainfall of the sub-divisions stations in the district sent in returns divided by the number of stations. A rainy



for the week ending Friday, the 12th September 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
3.67	—	—	—	—	—	—	—	—	—	—	Gopalpore	Pooree	URIMA.
3.76	6.70	2.83	7.00	4.84	+3.02	38.50	41.36	-2.86	5.8	4.3	False Point	...	
3.81	5.16	2.39	6.13	3.93	+2.18	36.54	39.54	-3.00	5.0	3.4	Cuttack	Cuttack	
1.33	3.84	2.79	5.62	4.60	+0.92	41.50	40.36	+1.14	5.7	3.9	Balsore	Balsore	SOUTH-WEST MIDNAPORE.
2.33	1.96	3.14	6.81	6.14	+0.67	40.43	40.08	+0.35	5.0	4.6	Sancor Island	South-West Midnapore	
1.79	1.27	1.66	4.99	3.67	+1.32	35.51	40.70	-5.19	4.0	3.3	Midnapore	Midnapore	
1.70	1.48	2.10	7.07	4.19	+2.88	40.61	41.97	-1.36	4.9	4.3	Calcutta	Howrah	SOUTH-WEST BENGAL.
2.04	1.16	2.06	5.85	3.67	+2.18	39.04	37.71	-7.77	3.5	3.8	Hurdwan	Hurdwan	
1.80	2.01	2.33	3.34	4.36	+0.95	30.14	42.84	-12.70	4.4	4.0	Ranigunge	Bankura	
0.73	0.66	2.81	3.10	4.97	-1.87	27.36	39.77	-12.41	3.0	3.4	Herhapore	Moohedabad	SOUTH-WEST BENGAL.
0.45	2.29	4.10	3.70	3.70	+0.00	28.96	40.28	-11.32	1.7	3.2	Nuddea	Nuddea	
1.07	1.06	2.00	9.54	4.00	+5.54	43.72	43.62	+0.10	3.9	3.7	Jessore	Jessore	
1.13	—	3.02	—	7.03	—	—	—	—	—	—	Chittagong	Chittagong	SOUTH-WEST BENGAL.
—	3.11	3.29	4.96	5.68	-0.66	40.10	49.36	-9.26	0.0	5.3	Demagiri	Chittagong Hill Tracts	
1.68	1.40	3.02	6.82	5.34	+1.48	58.44	63.60	-5.16	3.5	4.3	Barisal	Backergunge	
0.53	1.76	4.06	6.77	8.23	-1.46	69.91	91.74	-21.83	2.0	4.0	Noakholly	Noakholly	SOUTH-WEST BENGAL.
0.23	0.96	2.99	5.00	4.33	+0.67	33.81	40.10	-6.29	2.0	3.6	Farrukpore	Farrukpore	
0.78	0.69	2.66	4.48	5.40	-0.92	39.45	49.97	-10.52	3.0	3.9	Dacca	Dacca	
1.80	1.94	2.45	5.01	5.03	-0.02	51.34	58.14	-6.80	3.3	4.1	Comillah	Comillah	SOUTH-WEST BENGAL.
1.05	1.00	2.07	2.06	5.00	-3.94	59.49	65.33	-5.84	1.8	3.7	Mymensingh	Mymensingh	
0.40	0.77	2.33	2.04	4.03	-1.99	29.99	44.54	-14.55	1.5	3.0	Sorajungu	Bogra and Pabna	
0.71	0.67	2.00	2.20	5.37	-3.11	27.41	42.35	-14.94	2.0	3.5	Rampore Baulsah	Rajshahye	SOUTH-WEST BENGAL.
0.66	0.66	2.19	0.93	5.14	-4.21	31.43	47.36	-15.93	2.5	3.1	Dinapore	Dinapore	
0.64	0.63	3.04	1.41	6.25	-4.84	39.79	62.44	-22.65	2.3	3.0	Rungpore	Rungpore	
1.32	1.34	4.20	1.22	8.50	-7.26	30.67	52.85	-22.18	1.8	3.5	Jalpigore	Jalpigore	SOUTH-WEST BENGAL.
2.03	2.39	6.10	3.41	11.54	-8.13	99.54	123.70	-24.16	4.0	5.3	Darjeeling	Darjeeling Hill Districts	
0.06	0.17	3.22	0.63	6.04	-5.41	34.73	47.14	-12.41	1.3	3.2	Purneah	Purneah	
0.21	0.27	1.87	0.93	3.78	-2.85	33.01	54.22	-21.21	1.7	3.7	Durbhunga	North Bhagulpore	NORTH BENGAL.
0.32	0.40	1.29	0.03	2.84	-2.81	36.57	54.86	-18.29	0.3	2.0	Molihari	Moulvibazar	
0.34	0.17	2.09	0.47	3.49	-3.02	23.11	31.79	-8.68	1.0	2.7	Chupra	Chumpra	
0.11	—	—	—	—	—	—	—	—	—	—	Dahree	Dahree	NORTH BENGAL.
0.00	0.63	1.91	1.13	5.13	-4.00	20.62	32.18	-11.56	2.0	3.4	Buzar	Shahabad	
0.72	—	—	—	—	—	—	—	—	—	—	Arrah	Arrah	
0.75	0.34	1.65	9.65	2.90	-6.75	20.73	33.74	-13.01	1.2	2.7	Gya	Gya	NORTH BENGAL.
0.08	0.10	1.67	0.19	3.10	-2.91	20.31	33.55	-13.24	1.3	3.1	Bansipore	Patna	
0.13	0.08	1.93	0.59	3.53	-2.94	23.36	34.94	-11.58	1.0	2.0	Bhagulpore	South Bhagulpore	
1.07	0.70	2.40	1.80	4.47	-2.67	34.00	46.25	-12.25	2.7	3.4	Donaka	Donaka	NORTH BENGAL.
3.07	1.05	2.05	3.12	3.84	-0.72	20.90	39.00	-18.10	2.0	4.0	Hasaribagh	Hasaribagh	
3.08	2.21	2.27	4.67	4.10	+0.57	29.08	40.02	-10.94	3.5	4.1	Rangpaw	Rangpore	
3.01	2.70	2.35	4.61	4.69	-0.08	35.48	43.79	-8.31	2.0	4.6	Unyones	Unyones	NORTH BENGAL.

period for the past one year. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" are the means for the period in question during the past 12 years. The means for the "district" are the numerical average of the rainfall returns received by 100 stations on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 12th September 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rain- fall from 1st to 12th September 1884.	Average total rain- fall from 1st to 15th September.	Total rain- fall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday 6th September.	Sunday 7th September.	Monday 8th September.	Tuesday 9th September.	Wednesday 10th September.	Thursday 11th September.	Friday 12th September.	Number of rainy days.	Rainfall week.				
ORISSA.	Purba	Purba ...	0.04	1.03	0.04	1.43	0.06	0.02	0.02	5	2.64	10.41	3.78	57.90	35.53
		Khurda ...	0.03	0.42	0.04	0.65	0.23	0.02	0.02	5	0.85	7.58	4.81	42.73	33.53
		Bampur ...	0.17	0.20	0.18	1.60	0.24	0.24	0.02	5	4.85	8.00	4.20	38.97	34.91
		False Point ...	1.35	0.53	2.11	0.56	1.31	0.03	0.03	5	5.94	7.34	0.53	36.17	47.41
	Cuttack	Hookitola ...	0.16	0.03	0.08	0.29	0.87	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00
		Jagatsinghpore ...	0.18	1.13	4.44	0.35	0.10	0.10	0.10	4	5.13	6.44	4.91	44.90	44.90
		Banki ...	0.11	1.33	2.39	0.39	0.75	0.11	0.11	4	3.41	4.44	4.91	32.01	60.13
		Cuttack ...	0.55	1.20	1.25	1.10	0.05	0.29	0.29	3	3.41	4.44	4.91	32.01	60.13
	Balasore	Kendrapara ...	0.30	1.70	1.74	1.74	0.12	0.77	0.77	5	5.64	7.60	4.97	33.90	61.90
		Jajpore ...	0.04	1.84	1.20	1.45	0.13	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00
		Chandbali ...	0.04	0.04	0.07	2.10	0.07	0.09	0.09	5	3.61	5.03	4.11	45.23	38.56
		Bhadrach ...	0.04	1.33	0.04	3.23	1.35	0.10	0.10	4	7.81	9.23	4.03	41.94	39.23
SOUTH-WEST BENGAL.	Midnapore	Sorah ...	0.15	0.90	0.30	0.35	0.30	0.10	0.10	5	3.60	3.60	4.03	38.43	38.43
		Balasore ...	0.15	0.33	0.51	0.39	0.17	0.04	0.55	7	2.05	3.23	5.24	42.70	42.71
		Jailanore ...	0.23	1.20	0.20	0.12	0.12	1.20	1.20	5	2.93	7.98	5.07	41.95	42.45
		Baripodah ...	0.23	0.20	0.03	0.07	0.03	0.61	0.61	5	1.81	4.13	4.97	40.97	61.06
	24-Pargunnahs	Contai ...	0.03	0.43	0.10	0.56	0.07	0.05	0.05	5	1.78	8.20	6.33	44.91	47.81
		Saugor Island ...	0.04	0.37	0.03	0.26	0.67	0.00	0.00	5	2.40	6.98	4.78	50.45	60.57
		Tumlook ...	0.90	0.90	0.00	0.00	0.00	0.00	0.00	2	1.90	6.00	3.74	38.70	60.19
		Midnapore ...	0.89	0.03	0.28	0.47	0.30	0.10	0.10	5	1.60	4.86	3.71	34.23	35.34
	Diamond Har- bour.	Ghatal ...	0.19	0.08	0.00	0.00	0.10	0.10	0.10	5	0.65	3.80	5.65	39.64	43.83
		Diamond Har- bour.	0.03	0.20	0.04	0.30	0.06	0.00	0.00	5	1.01	0.46	0.31	53.94	47.40
		Alipore Jail ...	0.10	0.07	0.30	0.31	0.13	0.13	0.13	3	1.50	14.06	4.89	49.51	44.80
		Barackpore ...	0.20	0.20	0.30	0.30	0.13	0.13	0.13	4	0.96	4.01	3.02	40.57	60.03
SOUTH-EAST BENGAL.	Hooghly	Dum-Dum ...	0.00	1.08	0.10	0.32	0.13	0.45	0.45	5	2.17	12.61	4.38	47.08	41.88
		Baranet ...	0.06	0.00	0.78	0.32	0.13	0.39	0.39	5	1.65	0.30	4.64	35.08	39.30
		Boseorhat ...	0.15	0.00	0.51	0.33	0.33	0.42	0.42	4	1.31	11.99	4.70	50.32	48.95
		Howrah ...	0.07	0.37	0.78	0.16	0.09	0.01	0.30	7	1.78	8.57	4.77	38.25	42.81
	Bankura	Howrah (Ochilich) ...	0.12	0.00	0.14	0.60	0.24	0.24	0.24	5	1.14	5.00	3.73	34.03	43.27
		Serampore ...	0.04	0.00	0.58	0.45	0.04	0.04	0.13	5	1.80	6.24	3.80	47.81	46.13
		Hooghly ...	0.00	1.03	0.40	0.04	0.15	0.03	0.03	5	1.75	0.31	3.87	35.59	39.07
		Jelaniabad ...	0.15	0.27	0.71	0.00	0.00	0.00	0.00	3	1.3	2.07	3.96	27.31	45.95
	Bardwan	Quina ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.50	3.66	3.04	31.11	35.65
		Bardwan ...	0.30	0.07	0.39	0.25	0.55	0.00	0.00	5	1.82	8.50	3.72	39.22	39.13
		Cuttack ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	0.24	4.24	4.24	38.37	38.37
		Raneegunge ...	0.01	0.24	0.46	0.04	0.04	0.04	0.04	4	1.87	3.94	3.94	35.91	39.64
Bankura	Bankura ...	0.00	0.63	0.01	0.19	0.10	0.10	0.10	4	1.50	5.00	4.18	39.07	41.76	
	Huseinpur ...	0.05	1.30	0.35	0.40	0.40	0.40	0.40	4	2.20	6.25	3.95	31.75	41.83	
	Mahara ...	1.08	0.06	0.36	0.31	0.27	0.27	0.27	6	2.04	4.51	5.07	40.24	40.24	
	Khatra ...	3.43	0.06	0.07	0.10	0.21	0.08	0.08	7	4.04	5.61	5.75	39.94	47.90	
Borthoomb	Bh. Bortho ...	0.04	0.31	0.05	0.00	0.03	0.03	0.03	5	0.22	5.90	5.27	34.90	45.20	
	Hetampore ...	0.34	0.14	0.00	0.00	0.00	0.00	0.00	1	0.50	5.20	5.20	43.76	43.76	
	Nadua ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Nil	Nil	2.75	3.74	35.26	41.95	
	Ranachhat ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.25	4.83	3.40	32.30	39.25	
SOUTH-EAST BENGAL.	Kolkata	Kolkata ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.61	4.00	3.32	23.48	37.07
		Kolkata ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.95	2.77	4.84	27.24	41.45
		Kolkata ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.02	3.22	3.33	37.56	38.68
		Kolkata ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.30	7.71	4.01	34.94	45.94
	Khoolna	Batkhira ...	0.07	0.53	0.01	0.18	0.63	0.13	0.02	7	1.81	11.00	5.40	48.21	43.13
		Bagricha ...	0.00	1.00	0.15	0.40	0.17	0.17	0.17	3	2.23	10.42	4.60	56.31	40.60
		Khoolna ...	0.01	0.00	0.25	0.17	0.17	0.17	0.17	4	0.07	10.70	4.83	64.17	41.03
		Jessore ...	0.12	0.00	0.00	0.12	0.00	0.00	0.00	4	0.42	6.33	3.86	27.63	39.73
	Mooredah	Narail ...	0.04	0.00	0.27	0.10	0.10	0.10	0.10	4	0.01	7.37	3.55	42.33	33.56
		Jamudah ...	0.00	0.23	0.16	0.16	0.16	0.16	0.16	2	0.40	0.63	4.06	40.79	34.79
		Magurrah ...	0.03	0.40	0.61	0.00	0.00	0.00	0.00	5	1.00	11.53	3.73	36.73	42.21
		Kandi ...	0.00	0.06	0.06	0.06	0.10	0.10	0.10	3	0.22	8.27	3.21	25.26	41.96
SOUTH-EAST BENGAL.	Chittagong	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	1.00	4.47	4.41	20.47	41.33
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.70	2.75	4.78	23.59	40.05
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.24	2.41	4.23	37.08	37.15
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.91	4.85	4.85	31.57	39.74
	Chittagong Hill Tracts.	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.04	4.02	5.73	24.73	25.91
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.25	3.08	3.08	32.57	34.80
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.25	3.08	3.08	32.57	34.80
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.25	3.08	3.08	32.57	34.80
	Backergunge	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.90	5.40	6.00	59.50	73.55
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.75	6.45	6.45	50.74	50.75
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	1.51	10.33	4.67	53.15	64.15
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	0.80	4.71	4.82	64.83	71.54
Noakhali	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.46	7.29	5.12	60.50	61.09	
	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.86	6.20	5.33	74.94	92.40	
	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.86	5.94	5.82	33.61	40.31	
	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.30	6.02	4.06	41.94	47.13	
SOUTH-EAST BENGAL.	Farrukpore	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.90	3.21	6.20	32.91	46.37
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.47	6.12	6.33	44.07	54.85
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.87	6.44	6.44	30.94	40.94
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.14	6.73	4.87	33.66	41.16
	Dacca	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.47	6.12	6.33	44.07	54.85
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.87	6.44	6.44	30.94	40.94
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.14	6.73	4.87	33.66	41.16
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.47	6.12	6.33	44.07	54.85
	Comilla	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.40	3.65	3.65	34.40	43.60
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.80	6.15	4.05	45.35	49.83
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	3.43	6.23	4.93	41.13	60.64
		Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.17	2.79	3.91	30.73	37.71
Sylhet	Bankura ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	2.01	4.01	4.01	33.61	40.31	
	Bankura ...														

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 12th September 1884—concluded.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall from 1st to 12th September 1884.	Average total rainfall from 1st to 12th September.	Total rainfall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 4th September.	Sunday, 5th September.	Monday, 6th September.	Tuesday, 7th September.	Wednesday, 8th September.	Thursday, 9th September.	Friday, 10th September.	Number of rainy days.	of Rainfall.				
NORTH BENGAL.	Pabna	Pabna	0.22	0.55	0.05					3	0.82	5.71	4.51	24.38	43.17
		Sorjunge	0.48		0.00					2	0.48	2.19	4.37	30.19	42.81
	Bogra	Sherpore			0.65	0.13		0.18		Nil	Nil	0.04	3.03	24.93	40.72
		Nowshilla			0.60	0.04				3	0.60	1.16	2.81	32.21	42.19
		Panchbibi			0.28		0.00			2	0.28	1.13	4.09	34.12	40.36
	Kajshakye	Beaulah	0.04		0.51	0.03				3	0.58	2.90	4.73	27.74	41.90
		Natore	1.24							1	1.24	2.47	5.61	20.38	44.96
	Maldah	Nowgong		0.22				0.07		2	0.29	0.67		36.67	
		Maldah		0.09	0.30					2	0.39	0.38	5.74	25.16	40.86
	Dinapore	Mohadehpore	0.08	0.13		0.16				3	0.37	0.92	4.41	25.47	50.57
		Churamon		0.43			0.44			2	0.87	1.34	5.80	37.04	40.93
		Naigunge		0.04			0.24			2	0.28	4.61	4.81	34.96	40.73
		Dinapore		0.13			0.04	0.35		3	0.45	0.94	5.47	24.83	51.90
	Rangpore	Baloorghat	0.21	0.20						2	0.41	0.70		32.54	
		Bhawanigunge (Gyabanda)		0.11						1	0.11	0.31	5.55	27.00	50.39
		Rangpore		0.26			0.23			2	0.49	1.31	7.84	44.90	51.58
		Kumram		0.30	0.21					2	0.51	2.10	5.59	40.34	
	Jalpigore	Haridra		0.79	0.34	0.08		0.04		4	1.25	1.94	6.00	36.70	76.83
		Jalpigore					1.47			1	1.47	1.61	6.33	68.82	94.61
	Cooch Behar	Dinhat		0.19				0.48		2	0.67	0.94	5.63	65.90	79.22
		Cooch Behar						0.15		1	0.15	10.25	10.25	99.58	99.58
		Masabanga		0.16				2.27		2	2.43	2.51	6.61	73.92	107.73
	Darjeeling Hill.	Ruxa						0.01		1	0.01	2.04	7.08	73.07	99.67
		Nilguri			0.50	0.73	0.28	0.70		3	1.92	1.60	15.63	118.91	163.43
		Isarjeeling	0.15	0.44		0.87	0.23	0.62		5	2.29	4.72	9.64	80.14	124.90
NORTH BENGAL.	Purneah	Kisangunge						0.03		1	0.03	0.62	5.84	63.77	80.36
		Arrah					0.08			2	0.08	0.71	6.52	41.45	61.45
		Purneah	0.23				0.06	0.06		1	0.09	0.91	5.91	53.07	69.18
	North Bhagulpore.	Maddapore								Nil	Nil	0.64	4.74	28.47	39.79
		Boopool		0.27			0.18			2	0.45	1.47	4.90	19.76	60.17
	Darbhanga	Tajpore					0.22			1	0.22	0.50	3.02	23.01	33.18
		Jambhanga		0.23		0.04				2	0.27	1.71	4.24	16.90	36.58
		Medhabani		0.19		0.28				2	0.47	0.37	6.27	25.35	33.68
	Monsiehpore	Sitamarhi		0.44					1.54	2	1.98	1.98	3.63	20.35	39.10
		Monsiehpore	0.20							1	0.20	0.70	4.21	21.05	35.47
	Chumpran	Haridra	0.18	0.03						2	0.21	0.33	2.90	24.01	28.63
		Motihari					1.20			1	1.20	1.27	2.12	28.84	33.84
	Barun	Bethua								Nil	Nil	0.38	5.09	30.34	34.07
		Gopalgunge								Nil	Nil	0.30	2.81	20.29	23.80
		Barun					0.12			1	0.12	0.34	2.77	18.26	24.49
	Shahabad	Chuprah		0.21						1	0.21	0.59	2.18	23.66	31.10
		Bozar	0.02	0.14						2	0.16	0.61	3.57	18.88	20.73
		Dumree								Nil	Nil	0.30		24.87	
	Gya	Bhuboah		0.40	0.00			0.00		3	1.00	2.15	3.10	10.41	33.59
		Bhuboah		0.25						1	0.25	0.75	2.90	24.68	34.61
		Arrah	0.20	0.23						2	0.43	1.02	3.00	20.30	31.76
	Paina	Aurungabad							0.72	1	0.72	0.72	3.17	23.70	34.91
		Gya	0.08	0.10		0.10				3	0.28	0.45	2.05	10.53	31.67
		Nowadah			0.24					1	0.24	0.76	3.78	16.63	23.16
	Monghyr	Jehanabad								11	Nil	0.40	2.20	18.08	33.16
		Paina	0.06							1	0.06	0.10	3.04	23.06	35.51
		Dinapore	0.09							1	0.09	0.09	2.11	17.89	32.39
	South Bhagulpore.	Bohar		0.06	0.12					2	0.18	0.47	3.15	12.54	15.54
		Harh	0.03							1	0.03	0.08	3.32	25.49	32.03
	South Bhagulpore.	Begoochrai								Nil	Nil	0.48	5.20	10.04	31.80
		Monsiehpore				0.02				1	0.02	0.53	4.41	23.63	36.04
		Jamui	0.10				0.16			2	0.26	0.47	3.47	29.02	33.23
	South Bhagulpore.	Bhagulpore			0.06		0.03			2	0.09	0.36	3.97	30.00	33.19
		Bansa								Nil	Nil	0.72	5.60	17.29	30.36
	South Bhagulpore.	Rajmahal		0.08	0.47		0.21			3	0.75	1.04	4.43	26.13	29.60
		Boita			0.11					1	0.11	0.07	2.75	17.38	20.95
		Paour		0.18						1	0.18	2.44	4.69	24.98	41.23
	South Bhagulpore.	Nya Doocha		0.06	0.08		0.14			4	0.33	2.60	6.27	21.26	44.28
		Boitpur	0.04	0.04	0.02		0.14			3	0.20	1.34	6.40	21.03	30.19
		Satara	0.21	0.29	0.09	0.27				4	0.86	3.09	4.43	33.74	50.99
CHUTTA NAGPUR.	Hazaribagh	Pachamla	0.12		0.01	0.04	0.04			4	1.21	3.08	4.86	23.20	24.74
		Hazaribagh	0.30	0.18	0.20	0.00	0.02	0.11		5	1.84	2.16	4.16	31.21	32.14
		Soparabani											5.30	20.26	25.56
	Lohardugga	Arduu Hill											5.32		60.07
		Lohardugga													
		Kanchi	0.30	0.19	0.43	0.04	0.13	0.38	1.84	7	2.70	7.30	4.71	40.77	43.05
	Singbhoom	Palsow	0.70	0.22	0.11	0.70				4	1.73	4.18	4.13	23.76	25.76
		Chyabana	1.08	0.14	0.31	0.13	0.08	1.00		6	2.70	4.61	4.69	20.69	43.79
		Paruna	0.03	0.41	0.29	0.02	0.00	0.00		6	2.11	2.04	6.00	23.40	61.83
	Singbhoom	Gumtapore	0.47	0.20	0.17	0.08	0.00			6	1.90	2.23	3.96	20.00	20.45

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the return are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 16th September 1884.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BEHAL DURING THE WEEK ENDING THE 12TH SEPTEMBER 1884.

The cyclonic disturbance which formed the chief feature of the meteorology of the previous week was passing through Chutia Nagpur at the commencement of the week under review. It filled up very considerably on the 5th, after it had passed Calcutta, and was a very feeble disturbance on the morning of the 6th.

It apparently marched through the Maubhoom and Lohardugga districts, and passed into the northern districts of the Central Provinces on the 7th.

The westward advance of this depression caused a rapid rise of the barometer on the 5th and 6th in Bengal. Moderate monsoon winds prevailed over the greater part of the province on the 6th and gave frequent light showers. On the 7th and 8th a slight fall of the barometer, and a shift of winds at the coast stations in the usual manner indicated that a small depression was forming in the north-west angle of the Bay. Heavy rain fell in the southern districts of Orissa on the 8th, on the evening of which day its centre appears to have crossed the Balasore coast near Chaudbally. It was a little distance to the north-east of Cuttack on the morning of the 10th, and then passed over the Orissa Hills and disappeared into the Central Provinces.

The indraught to the two disturbances gave frequent showers to Orissa, Chutia Nagpur, and the western districts of South-West Bengal during the first five days of the week, light moderate showers to the eastern districts of South-West Bengal and East Bengal on the 8th and 9th, and to North Bengal on the 9th. A few partial showers occurred in Behar during the week, but no general rain was received. Hence the break in the rains last-d during the whole week in that area. It extended to North Bengal on the 9th, to East Bengal on the 10th, and to the whole province on the 11th. The week has consequently been an unusually dry one, more especially in Behar and North Bengal which have received less than 25 per cent. of the normal rainfall. East Bengal has obtained 44 per cent., and South-West Bengal 50 per cent. Orissa has received abundant rain, due to heavy falls in the Pooree and Cuttack districts, and Chutia Nagpur and the Balasore and Bancoora districts average rain.

*Pressure.*—The depression which formed the chief feature of last week's meteorology passed through Chutia Nagpur on the 5th and 6th. Its westward motion accompanied a rapid rise of the barometer in its rear, and a moderate fall in front. It passed into the Central Provinces on the morning of the 7th, when it was a very shallow and rather extensive depression. The barometer increased rapidly over the whole provinces on the 7th, except in the north-west angle of the Bay, where a small depression began to form. It increased slightly in intensity on the 8th, although the barometer continued to rise generally in the province. It crossed the Balasore coast on the night of the 8th, and passed westwards between Balasore and Cuttack and across the North Orissa hills. Pressure increased rapidly during the remainder of the week, and was generally above the normal from the 10th to the end of the week. The excess was most marked in North Behar and probably North Bengal.

The mean pressure of the week is above the normal for all divisions except Orissa. The excess averaged .02" in South-West Bengal, .03" in East Bengal and South Behar, and .06" in North Behar.

*Temperature.*—The mean temperature of the week was 3° below the normal in Orissa, 2° in South-West Bengal, and 1° in East Behar. It was slightly in excess in Behar, where moderately high maximum temperatures were observed. The highest were—

Motilhari	..	..	..	..	94.6° on the 9th.
Patna	..	..	..	..	94.4° " "
Gya	..	..	..	..	94.2° " "

*Winds.*—Were moderately strong at the commencement of the week. They fell off very rapidly on the 7th and 8th in consequence of the action of the small disturbance at the head of the Bay. They increased again on the 9th, blowing occasionally somewhat strongly as rain squalls on the 10th in South Bengal.

During the remainder of the week they again decreased in force, and although approximately normal in direction, were very feeble at the end of the week.

*Rainfall.*—The rainfall of the past week was very partial and limited, and an almost complete break in the rains obtained over a large portion of the interior. The indraught to the two disturbances gave frequent showers to Orissa, Chutia Nagpur, and South-West Bengal from the 6th to the 10th. The only large amounts which fell during this period were registered in South Orissa on the evening of the 8th. Pooree received 5.5 inches, Jagatsingpore (in the Cuttack district) 4.44 inches, and Khurdah (in the Pooree district) 3.04 inches.

Light to moderate showers giving fairly general rain were received in East Bengal on the 8th and 9th, and in North Bengal on the 9th. The Cooch Behar district received several moderately heavy showers on the 12th.

No general rain occurred in Behar during the week.

Hence an almost complete break in the rains obtained in Behar during the whole week, and in East and North Bengal during the greater part of the week.

The only districts which have received amounts in excess of the average are the Pooree, Balasore, and Cuttack districts of Orissa, the Singhbhum district of Chutia Nagpur, and the Bancoora district of South-West Bengal. The Maubhoom district obtained normal

rainfall during the week. The Midnapore, 24-Pergunnahs, Howrah, Hooghly, Khoolna, Burdwan, and Comillah districts obtained between 85 and 60 per cent. The Backergunge, Furreedpore, Mozufferpore, and Darjeeling districts between 50 and 40 per cent.; the Dacca, Jessore, Mymensingh, Cooch Behar, Pubna, and Chumparan districts between 40 and 30 per cent.; Noakhally, Julpigoree, the Sonthal Pergunnahs, Shababad, and Moorshedabad, between 30 and 20 per cent. Several districts received less than 20 per cent. of their normal rainfall. The following table gives the names of these districts with the average and normal rainfalls in each during the past month, and since the commencement of the monsoon.

District.	Normal rainfall of district during week.	Actual rainfall of district during past week.	Percentage of actual to normal rainfall.	Normal rainfall of district from 1st to 15th.	Actual rainfall of district from 1st to 15th.	Percentage of actual to average.
Bogra ... ..	2.28	0.46	20	46.75	31.48	67
Nulda ... ..	2.29	0.45	20	46.28	28.96	73
Rajshahye ... ..	2.49	0.57	19	42.25	27.41	64
Rungpore ... ..	3.51	0.63	18	62.14	30.79	49
Gya ... ..	1.85	0.34	18	33.74	20.73	61
Dinagpore ... ..	3.29	0.55	17	47.36	31.45	66
Beerbhoom ... ..	3.26	0.51	16	42.14	33.57	80
Durhhunga ... ..	2.13	0.35	16	35.18	21.76	62
Saran ... ..	2.08	0.17	8	32.75	22.11	68
North Bhagulpore ... ..	2.3	0.23	8	30.96	22.11	55
Patna ... ..	1.67	0.10	6	33.35	20.31	61
Purneah ... ..	2.11	0.14	5	51.80	43.12	83
Monghyr ... ..	2.00	0.11	5	35.32	24.48	69
South Bhagulpore ... ..	1.85	0.05	3	31.37	21.69	68

The preceding table indicates that the rainfall of the past week was unusually deficient over the greater part of Behar, and over the whole of North Bengal (excepting the most northern districts). The central districts of Behar received the smallest amounts, and the week was practically rainless.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 12th September 1884:—

METEOROLOGICAL DIVISION.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average min of week above & below normal mean of week	Of week.		Rainy days.		Since 1st of month.		Since 15th May.			
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	85.9	73.1	80.0	76.9	80.5	-3.5	4.77	3.08	+2.69	3.4	3.8	+1.3	6.29	4.41	25.61	40.39
South-West Bengal	90.0	74.2	80.4	77.1	81.8	-1.6	1.24	1.37	-1.13	3.8	3.9	-0.1	6.08	4.31	35.59	61.94
East Bengal	94.0	70.1	80.8	76.7	81.8	-0.2	1.44	2.09	-1.65	3.8	4.1	-1.3	6.18	4.61	51.61	62.61
North Bengal	93.0	71.7	83.0	76.2	82.4	-	0.74	2.28	-2.51	2.1	3.3	-1.1	1.56	5.54	43.71	60.23
North Bihar	94.6	70.2	81.6	77.4	84.4	+0.4	0.30	2.24	-1.94	1.2	2.7	-1.5	0.79	4.10	27.85	38.10
South Bihar	91.4	74.8	80.8	77.7	83.8	+1.0	0.36	2.00	-1.64	1.7	3.1	-1.4	0.94	3.63	23.90	30.33
Chute Nagpur	87.5	66.2	80.3	71.4	75.9	-1.4	2.13	2.31	-0.18	5.4	6.1	+1.3	4.22	4.00	29.16	30.99

\* Chybam not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 16th September 1884.

Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Alipore Observatory from  
7th to 13th September 1884.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 59° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.		☉		Inches.	°	°	°	°	°	Inches.	°	%.			Inches.	
Sept.	7th	148.8	8.5	30.639	80.7	87.2	10.3	77.0	77.9	0.931	76.7	88	SE by E and E ...	146	0.09	Chiefly cloudy, o, s, p, t, d, <.
"	8th	147.2	6.0	30.627	80.4	85.1	8.2	76.9	77.8	0.918	76.6	89	E and ESE ...	170	0.31	Chiefly cloudy, o, p.
"	9th	147.7	6.3	30.640	80.6	84.8	8.8	76.0	77.7	0.912	76.4	87	ESE and S by E ...	174	0.80	Chiefly cloudy, o, p, d.
"	10th	152.6	6.5	30.685	81.0	85.9	9.5	76.4	77.8	0.914	76.5	86	SE and S ...	111	0.07	Chiefly cloudy, p.
"	11th	151.5	10.8	30.738	83.8	87.8	11.2	76.8	78.7	0.925	76.9	83	ESE and SW ...	83	0.02	Chiefly cloudy, d.
"	12th	153.0	11.2	30.755	83.3	88.1	10.7	77.4	79.2	0.944	77.5	83	SSW and calm ...	54	Nil.	Partially cloudy.
"	13th	151.2	8.0	30.756	83.2	88.7	11.1	77.8	78.1	0.906	75.9	79	SW, SSW and calm ...	56	.....	Partially cloudy, d, lr.

The mean pressure of the seven days ... 29.691  
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.653

The total number of hours of bright sunshine ... 57.3  
The maximum possible number of hours of sunshine ... 86.5

The mean temperature of the seven days ... 81.7  
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 83.2  
The extreme variation of temperature ... 12.7  
The maximum temperature ... 88.7

The highest velocity of the wind in one hour ... 17  
The highest pressure of wind on one square foot ... 2

The mean relative humidity ... 86  
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 86

The total fall of rain from 7th to 13th September 1884 ... 1.39  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 3.14  
The total fall from 1st January to 13th September 1884 ... 53.90  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 53.64

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, d drizzling rain, lr lightning reflection, < lightning, ☉ dew.

JOHN ELIOT,

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 15th September 1884.

for Meteorological Reporter to the Government of India.



Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 7th to 13th September 1884.

Month.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1884.		°	°	°	°	°	Inches.	°	%	Inches.
September	7th	79.0	88.8	11.7	71.1	77.8	.989	77.0	92	0.39
"	8th	79.9	86.8	9.0	77.8	78.1	.989	77.8	92	0.02
"	9th	80.3	86.6	10.3	76.3	78.3	.989	77.3	91	0.26
"	10th	79.5	88.0	11.7	76.3	78.3	.949	77.8	94	0.21
"	11th	82.7	89.8	12.8	77.0	78.6	.944	76.8	83	0.01
"	12th	85.6	90.8	13.6	77.3	79.6	.964	77.8	83	0.20
"	13th	82.0	91.6	13.8	77.8	80.0	.977	78.5	85	.....

The mean temperature of the seven days ... 81.3

The extreme variation of temperature ... 15.3

The maximum temperature ... 91.6

The mean relative humidity ... 89

The total fall of rain from 7th to 13th September 1884 ... 1.69

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 15th September 1884.

JOHN ELIOT,  
For Meteorological Reporter to the Govt. of India.

## MEMORANDA.

THE mortuary returns from the districts in Bengal for the month of July 1884 disclose the following results—

1. That 95,802 persons died among a population of 66,163,884, representing a casualty rate of 17.28 per 1,000 per annum, against 17.76 per 1,000 in the preceding month, and 16.44 per 1,000 during the corresponding month of the past year.

2. That the highest death-rates were reported to have occurred in the following districts:—

Districts.		Districts.	
	Ratio per mille.		Ratio per mille.
Gya	35.04	Nuddea	25.20
Balasore	31.44	Sarun	23.52
Patna	30.48	Hazaribagh	23.28
Poori	27.48		

3. That the several diseases exhibited in the table appended to this memoranda presented the rates of mortality noted below, in comparison with the results of the corresponding month of 1883:—

		Ratio per mille during—	
		July 1884.	July 1883.
Cholera	...	1.20	1.56
Small-pox	...	.12	.12
Fever	...	11.88	11.16
Bowel-complaints	...	.72	.72
Injury	...	.60	.60
Other causes	...	2.28	2.04

4. That, while small-pox, bowel-complaints and injury did not prove noticeably fatal anywhere, the highest fatal results from cholera, fever, and "other causes" were returned from the undermentioned districts:—

Cholera.		Fever.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Balasore	12.72	Gya	25.68	Poori	11.16
Poori	10.44	Nuddea	20.28	Sarun	8.16
Outtaok	6.60			Balasore	6.12
Patna	4.44				
Sonthal Pergunnahs	3.12				
Gya	2.76				
Hazaribagh	2.52				
Monghyr	2.04				

5. That the death-rates in relation to Sex, Class, and Age stand as indicated below:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	19.20	Christians	10.20	Under 1 year	108.00
Females	15.48	Hindus	18.36	1 and under 5 years	21.60
Ratio of male deaths to every 100 female deaths	121	Mahomedans	15.36	5 and under 10	9.84
		Budhists	11.52	10 and under 15	8.88
		Other classes	15.12	15 and under 20	12.36
				20 and under 30	11.64
				30 and under 40	13.08
				40 and under 50	16.44
				50 and under 60	23.04
				60 years and upwards	35.04

B. LADDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 15th September 1884.

MORTALITY ACCORDING TO--

[illegible]



MEMORANDA.

DURING the week ending 30th August 1884, the returns from the first class Municipalities in Bengal disclose the following results:—

1. That births and deaths were recorded in the proportions, respectively, of 22·8 and 29·8 per 1,000 of population, against 21·0 and 31·2 per 1,000, respectively, during the preceding week ending 23rd August, indicating a small improvement in the registration of births with a considerable falling off in that of deaths.

2. That these events were returned in the highest proportions by the following Municipalities:—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Gya	...	...	40·5	Jessore	...	...	61·2
Jessore	...	...	42·8	Chupra	...	...	59·6
Bhagulpore	...	...	38·0	Gya	...	...	57·4
Burriwan	...	...	30·5	Comillah	...	...	34·7
Durbhanga	...	...	29·1	Suburbs of Calcutta	...	...	34·1
Monghyr	...	...	28·9	Patna	...	...	33·1
Howrah	...	...	28·5	Bhagulpore	...	...	32·6
				Dacca	...	...	30·5
				Chittagong	...	...	28·2

3. That the mortality from the principal diseases, specified in the following table, exhibits no marked difference in comparison with the death-rates from the same diseases in the preceding week:—

				Ratio per mille during the weeks ending—	
				30th August 1884.	23rd August 1884.
Cholera	...	...	...	3·1	2·9
Small-pox	...	...	...	1	2
Fever	...	...	...	12·5	12·9
Bowel-complaints	...	...	...	4·5	5·0
Injury	...	...	...	6	6
Other causes	...	...	...	8·9	9·5

4. That of the death-causes above indicated, cholera, fever, bowel-complaints, and the diseases classed under the head of "Other causes" proved conspicuously fatal in the Municipalities named below:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Chupra	21·5	Jessore	61·2	Patna	8·4	Poori	21·4
Arrah	8·4	Gya	28·7	Gya	6·8	Dacca	18·2
Gya	6·8	Comillah	27·0	Chupra	6·8	Chupra	14·6
Durbhanga	5·5			Suburbs of Calcutta	6·6	Gya	14·3
Patna	2·6					Kishnaghur	11·3
Dacca	2·6					Suburbs of Calcutta	11·2
Howrah	2·5					Patna	10·4
Suburbs of Calcutta	2·0						

5. That the mortality with reference to Sex, Class and Age stands as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	29·3	Christians	26·1	Under 1 year	307·1
Females	30·5	Hindus	31·3	1 and under 5 years	50·7
Ratio of male deaths to every 100 female deaths	109	Mahomedans	36·5	5 " 10 "	23·8
		Other classes	109·2	10 " 15 "	12·2
				15 " 20 "	18·8
				20 " 30 "	17·7
				30 " 40 "	16·0
				40 " 50 "	21·4
				50 " 60 "	22·9
				60 years and upwards	49·1

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 15th September 1884.

Statement showing the Results of the Registration of Births and Deaths in the First Class Municipalities in Bengal during the week ending 30th August 1884.

DISTRICTS.		NAMES OF MUNICIPAL PALATIES.		POPULATION.		BIRTHS.		MORTALITY ACCORDING TO—											
								DISEASE.											
								DISEASE.											
								DISEASE.											
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\* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community taken in February 1881 was not reliable, owing to the Europeans being at a minimum in that month. The number of the natives remaining as before, as it was not necessary to re-census them. The ratios here consequently been calculated on the revised population under all heads. In the above table, except ... Age, the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the same classification.



DISTRICTS.			MORTALITY ACCORDING TO—										AGE.		RATIO PER 1,000 OF POPULATION PER ANNUM.									
			CLASS.					DEATHS.					AGE.		RATIO PER 1,000 OF POPULATION PER ANNUM.									
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			CLASS.					DEATHS.					AGE.		RATIO PER 1,000 OF POPULATION PER									

*Areas leased for Irrigation up to the end of July 1884.*

*The 16th September 1984.*

G. F. E. S. NEILL, Major, M.S.C.,  
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing the total amount of Traffic and Tolls on the Canals classed as Productive Public Works for the month of July 1884.

ORISSA CIRCLE.

Taldundah Canal.

LENGTH OF CANAL OPEN—27½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.		Mds.	Rs.				Rs. A. P.	A. P.
3	Paddy	717	650	1,166	48	164	8 13 0	...
1	Rice	176	530	336	8	128	5 6 0	...
7	Jaggery	1,573	7,860	2,124	76	1,900	20 8 0	...
BUILDING MATERIALS.								
2	Laterite rubble	620	24	1,120	46	600	5 9 0	...
...	Guyles (60 in number)	...	12	...	...	...	0 8 0	...
MISCELLANEOUS.								
14	Passenger boat	...	...	8,543	339	886	61 0 0	...
25	Rumty do.	...	...	11,757	430	2,040	22 11 0	...
1	Oilcake	132	50	210	7	75	1 0 0	...
62	Total	3,218	9,129	24,977	892	6,885	106 0 6	0 3 0
164	Total of same month last year	12,163	16,470	61,908	2,211	15,548	329 9 10	0 4 1

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

No.	Mds.	Rs.				Rs. A. P.
...	...	...	...	...	...	...
Total	...	...	...	...	...	...
Total of same month last year	...	...	...	...	...	...

ABSTRACT.

	Mds.	Rs.				Rs. A. P.
62 Private, including miscellaneous	3,218	9,129	24,977	892	6,885	106 0 6
Government stores, including ditto	...	...	...	...	...	...
62 Grand Total	3,218	9,129	24,977	892	6,885	106 0 6
164 Grand Total of same month last year	12,163	16,470	61,908	2,211	15,548	329 9 10

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	24 10 0
Amount of tollage for the month	106 0 6
Total	130 10 6
Amount credited in the accounts for the month	28 6 0
Balance at the end of the month	102 4 6

## Kendrapara Canal and its Branch to Gundakia on the Gobri River.

LENGTH OF CANAL OPEN—69 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE.		TONNAGE OF BOATS.		Ton-miles.	Tollage.	Rate of toll per ton-mile.	
		Weight of cargo.	Value of cargo.	Mauuds.	Tons.			Rs. A. P.	A. P.
ARTICLES OF FOOD.									
128	Paddy	15,000	20,800	25,000	917	19,052	253 9 5		
96	Rice	27,000	51,000	49,540	1,759	84,058	855 8 6		
10	Gram	1,100	4,400	2,651	75	2,574	22 4 5		
1	Pulses and other crops	50	200	105	3	100	1 8 0		
1	Fruits and vegetables	10	50	42	3	50	0 6 5		
17	Jaggery	1,500	7,000	2,438	87	1,740	27 9 10		
10	Salt	1,000	3,000	2,409	89	2,324	21 6 5		
1	Metel leaves	50	100	159	5	48	0 11 4		
1	Fish (salt)	10	50	42	3	50	0 9 7		
STAPLES OF MANUFACTURE.									
1	Jute	200	1,000	280	14	318	6 11 0		
2	Hides	300	3,000	707	27	1,134	13 3 0		
1	Mustard seed	10	5	20	1	10	0 1 7		
3	Til seed	500	2,500	1,375	49	2,445	21 8 6		
BUILDING MATERIALS.									
3	Stone	800	20	1,442	51	1,530	22 12 0		
1	Shooting lime	10	5	39	1	50	1 0 11		
1	Unwrought timber and piles (33 in No.)	10	100	20	3	20	16 3 0		
1	Bullahs	20	10	20	3	20	0 12 0		
FUEL.									
6	Firewood	1,300	120	2,781	99	5,200	30 0 10		
COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.									
6	Earthenware and earthen pots	200	50	463	16	341	5 9 9		
4	Tal umbrellas	100	20	259	9	245	5 7 6		
MISCELLANEOUS.									
78	Passenger boats (3,635 in number)			26,023	1,001	33,002	511 4 4		
274	Empty ditto			20,065	1,059	23,556	201 12 6		
4	Straw	300	60	318	11	165	2 14 5		
1	Canal water			228	8	5	0 10 0		
3	Furniture	100	500	228	8	177	2 15 10		
50	Miscellaneous goods, &c.	12,900	55,000	22,000	220	34,273	306 6 11		
2	Indigo plants			578	13	150	1 12 6		
1	Kharee	100	450	258	10	420	4 7 6		
608	Total	62,000	1,50,580	1,71,823	6,134	240,517	2,402 13 0	0 12	
609	Total of same month last year	48,820	4,90,270	1,46,300	5,254	2,03,170	2,327 0 6	0 12	

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

BUILDING MATERIALS.										Mds.	Rs.	Rs.			Rs. A. P.	A. P.
1	Brick	200	20	280	14	339	6 1 8	.....	.....	300	20	300	14	339	6 1 8	.....
24	Building stones	2,500	180	11,210	411	17,264	216 8 6	.....	.....	8,200	180	11,210	411	17,264	216 8 6	.....
1	Lime	600	60	600	21	584	9 12 0	.....	.....	600	60	600	21	584	9 12 0	.....
MISCELLANEOUS.																
43	Empty boats	.....	.....	6,054	216	9,533	60 8 11	.....	.....	.....	.....	6,054	216	9,533	60 8 11	.....
60	Total	.....	.....	3,300	250	18,552	652	27,234	298 14 11	0 12	.....	.....	.....	18,552	652	27,234
63	Total of same month last year	.....	.....	9,910	1,010	24,750	864	24,275	313 7 7	0 12	.....	.....	.....	24,750	864	24,275

## ABSTRACT.

Number of Boats.	Nature of Cargo.	APPROXIMATE.		TONNAGE OF BOATS.		Ton-miles.	Tollage.	Rate of toll per ton-mile.	
		Weight of cargo.	Value of cargo.	Mauuds.	Tons.			Rs. A. P.	A. P.
608	Private, including miscellaneous	62,000	1,50,580	1,71,823	6,134	240,517	2,402 13 0	.....	.....
609	Government stores, including ditto	6,500	230	15,323	602	27,264	298 14 11	.....	.....
767	<b>Grand Total</b>	71,400	1,50,810	1,87,146	6,736	273,781	2,701 11 11	.....	.....
609	<b>Total of same month last year</b>	48,730	4,91,230	1,71,855	6,108	237,445	2,610 8 1	.....	.....
609	<b>Amount refunded</b>	.....	.....	.....	.....	.....	2,632 6 1	.....	.....

## MEMO.

						Rs. A. P.
Unrecovered balance on the 1st of the month						8,067 4 0
Amount of tollage for the month						2,701 11 11
<b>Total</b>						10,768 15 11
Amount credited to the accounts for the month						2,835 14 11
<b>Balance at the end of the month</b>						7,933 1 0

\* Of this Rs. 263-5-1 is the collection of Gobri Canal Locks; Rs. 757-5-10 is the collection of Kendrapara Extension Locks, and Rs. 1,699-6 is the collection of Kendrapara Canal Locks.

High Level Canal, Range I.

LENGTH OF CANAL OPEN—34 MILES.

LOCAL TRAFFIC.

(1)—PRIVATE.

Number boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-miles.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
143	Rice	15,000	65,000	20,305	940	21,335	301 13 0	.....
3	Turmeric	1,000	7,000	2,121	76	2,504	25 15 0	.....
5	Jaggery	500	2,500	1,503	45	1,075	11 3 0	.....
30	Salt	4,000	10,000	5,187	221	7,505	73 1 0	.....
1	Fish (salt)	10	50	48	2	66	0 5 0	.....
	STAPLES OF MANUFACTURE.							
2	Cotton	300	3,000	843	30	810	7 1 0	.....
11	Til seed	1,600	6,400	5,427	122	3,806	41 14 0	.....
	BUILDING MATERIALS.							
15	Unwrought timber and piles	400	1,500	634	23	580	69 9 9	.....
	MISCELLANEOUS.							
1	Passenger boat (1 in number)	.....	.....	25	1	10	0 2 0	.....
95	Empty do.	.....	.....	9,735	348	9,415	47 1 9	.....
12	Straw	1,000	200	2,451	88	792	6 15 3	.....
25	Miscellaneous goods, &c.	3,000	10,000	5,070	213	7,216	72 10 0	.....
320	Total	26,810	83,650	50,053	2,110	65,083	677 10 9	0 2 0
321	Total of same month last year	25,600	1,05,810	58,581	2,103	60,600	385 0 0	0 1 2

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	MISCELLANEOUS.	Mds.	Rs.				Rs. A. P.	A. P.
2	Empty boats	.....	.....	415	15	495	5 0 0	.....
1	Total	.....	.....	415	15	495	5 0 0	0 2 0
6	Total of same month last year	.....	.....	6,351	225	7,428	40 11 0	0 1 0

ABSTRACT.

	Mds.	Rs.				Rs. A. P.
320 Private, including miscellaneous	26,810	83,650	50,053	2,110	65,083	677 10 9
1 Government stores, including ditto	.....	.....	415	15	495	5 0 0
340 Grand Total	26,810	83,650	50,468	2,125	65,578	682 10 9
327 Grand Total of same month last year	25,600	1,05,810	58,232	2,320	67,927	625 12 6

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month	123 8 0
Amount of tollage for the month	653 10 9
Total	776 9 9
Amount credited in the accounts for the month	392 9 9
Balance at the end of the month	413 2 0

## High Level Canal, Range II.

LENGTH OF CANAL OPEN—12½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

## LOCAL TRAFFIC.

## (1)—PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
ARTICLES OF FOOD.								
2	Paddy	180	180	320	11	77	1 15 6	.....
2	Rice	8,200	15,500	10,103	341	5,408	63 2 0	.....
2	Rhusary	400	1,500	791	28	300	4 14 6	.....
2	Chenop	1,000	4,000	2,200	85	804	14 7 6	.....
2	Turneric	500	2,000	1,119	40	405	6 15 0	.....
1	Chillies	20	200	104	2	24	0 7 0	.....
2	Jaggery	400	2,000	770	28	207	5 4 0	.....
2	Salt	200	800	614	23	161	4 0 0	.....
STAPLES OF MANUFACTURE.								
2	Castor seed	300	1,200	683	21	230	3 10 0	.....
BUILDING MATERIALS.								
...	Unwrought timber and piles (21 in number)	...	50	.....	.....	.....	1 13 6	.....
MISCELLANEOUS.								
91	Empty boat	.....	.....	3,940	212	2,479	13 10 6	.....
...	Small dongsas (21 in number)	.....	.....	.....	.....	.....	14 3 0	.....
183	Total	8,220	27,500	22,048	808	10,493	139 6 6	0 2 6
67	Total of same month last year	4,800	17,480	11,350	404	6,528	77 6 0	0 2 9

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
BUILDING MATERIALS.								
21	Gravel	3,500	50	6,280	224	1,844	29 3 0	.....
FUEL.								
1	Charcoal	100	50	240	9	94	1 8 0	.....
1	Firewood	500	50	1,023	36	28	6 6 0	.....
MISCELLANEOUS.								
15	Empty boats	.....	.....	3,788	135	730	11 13 6	.....
30	Total	4,100	150	11,340	404	2,100	58 13 6	0 5 1
30	Total of same month last year	6,200	100	16,131	500	3,807	80 12 9	0 4 2

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
183	Private, including miscellaneous	8,220	27,500	22,048	808	10,493	139 6 6	.....
29	Government stores, including ditto	4,100	150	11,340	404	2,100	58 13 6	.....
211	Grand Total	12,320	27,650	33,388	1,212	12,593	198 0 0	.....
67	Grand Total of same month last year	11,000	17,580	28,487	904	7,335	188 3 3	.....

## Memo.

		Rs. A. P.
Unrecovered balance on the 1st of the month	.....	117 18 0
Amount of tollage for the month	.....	186 4 0
Total	.....	303 2 0
Amount credited in the accounts for the month	.....	178 3 3
Balance at the end of the month	.....	124 8 7



High Level Canal, Range III.

LENGTH OF CANAL OPEN—20 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

LOCAL TRAFFIC.

(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
56	Rice .....	5,000	20,000	9,146	557	1,438	52 6 0	.....
1	Turneris .....	200	1,800	805	22	200	3 12 0	.....
1	Kinawery .....	250	1,000	407	17	300	3 0 6	.....
1	Pulses and other crops .....	100	400	302	11	100	1 14 0	.....
MISCELLANEOUS.								
56	Empty boats .....	.....	.....	2,906	107	535	0 5 3	.....
	Small dougahs (6 in number) .....	.....	.....	.....	.....	.....	1 14 0	.....
114	Total .....	5,550	22,400	12,538	694	3,070	72 3 0	0 6 3
11	Total of same month last year .....	650	2,500	1,087	61	778	11 9 0	0 3 4

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.				Rs. A. P.	A. P.
17	Gravel .....	5,000	80	8,348	293	2,055	51 8 6	.....
MISCELLANEOUS.								
18	Empty boats .....	.....	.....	3,215	113	805	10 4 0	.....
23	Total .....	5,000	80	11,563	410	2,870	61 13 3	0 4 1
23	Total of same month last year .....	3,000	80	7,484	267	2,300	30 6 3	0 3 3

ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
114	Private, including miscellaneous .....	5,550	22,400	12,538	694	3,070	72 3 0	.....
23	Government stores, including ditto .....	5,000	80	11,563	410	2,870	61 13 3	.....
140	Grand Total .....	10,550	22,480	22,001	804	5,940	133 1 0	.....
33	Grand Total of same month last year .....	3,650	2,580	9,171	328	3,084	50 13 3	.....

MEMO.

					Rs. A. P.
Unrecovered balance on the 1st of the month	—	—	—	—	53 0 0
Amount of tolls for the month	—	—	—	—	136 1 0
				Total	189 1 0
Amount credited in the accounts for the month	—	—	—	—	79 11 6
Balance at the end of the month	—	—	—	—	87 8 3

## SOUTH-WESTERN CIRCLE.

## Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

## LOCAL TRAFFIC.

(11)—PRIVATE.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunder.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
218	Paddy	18,940	42,451	71,980			1,180 3 0	
541	Rice	1,14,440	2,71,144	2,63,650			3,037 0 3	
5	Wheat	617	2,278	1,565			4 7 3	
168	Gram	32,217	89,130	29,130			636 12 0	
88	Fruits and vegetables	7,888	9,644	17,453			140 12 1	
205	Sugar, unrefined	17,605	65,408	38,780			205 1 0	
135	Salt	50,923	1,89,310	1,23,275			1,169 11 0	
135	Oil	1,280	4,888	2,575			81 8 6	
25	Fish	803	7,300	18,315			89 8 0	
25	Beetle-huts	670	4,800	1,700			13 4 0	
25	Beetle-huts	1,028	6,800	4,863			20 14 0	
25	Beetle leaves	3,910	8,620	11,600			97 0 8	
25	Curd	400	420	1,025			8 3 0	
25	Coconuts (14,000 in number)	225	230	650			3 7 0	
25	Onion	250	325	800			2 5 6	
25	Potatoes							
25	STIMULANTS.							
25	Tobacco	5,830	26,570	18,125			148 0 6	
25	CLOTHING.							
25	Cotton piece-goods (Indian)	353	88,800	8,295			20 6 0	
25	Do. ditto (European)	970	83,900	2,230			16 9 0	
25	STAPLES OF MANUFACTURE.							
25	Brass	4,280	2,00,500	17,025			147 13 8	
25	Copper	8,185	2,51,630	18,025			142 8 6	
25	Iron	300	1,000	450			1 11 0	
25	Silk	30	24,900	680			8 11 0	
25	Cotton	640	11,730	2,020			14 12 0	
25	Do. twist and yarn (European)	8,427	2,45,180	25,750			183 0 8	
25	Do.	80	500	125			1 1 8	
25	Hides (8,000 in number)	975	7,600	2,025			24 14 0	
25	Horns	550	6,200	1,325			7 11 8	
25	Livestock	1,980	2,850	2,800			54 7 6	
25	Castor seeds	850	1,830	1,125			11 13 0	
25	Mustard seed	6,435	21,740	11,475			85 11 0	
25	Til seed	380	900	675			8 14 6	
25	BUILDING MATERIALS.							
25	Tiles (17,800 in number)	1,670	625	6,450			33 9 0	
25	Limestone	1,000	120	2,000			46 9 0	
25	Gypsum	800	900	2,150			8 9 0	
25	Gypsum	500	35	900			23 8 0	
25	Sand	8,775	887	16,975			63 9 6	
25	Roofs	150	54	375			1 8 8	
25	Unwrought timber and piles (2,845 in number)	8,910	8,684	11,240			185 10 0	
25	Cut stone	1,000	380	2,600			78 0 0	
25	Bamboos (1,180 in number)	230	125				2 14 0	
25	LIVE-STOCK.							
25	Bullock, oxen and cow (6 in number)		55	465			4 3 0	
25	FUEL.							
25	Coal and coke	22,433	18,025	63,325			415 11 4	
25	Charcoal	7,025	2,040	17,225			223 10 0	
25	Firewood	2,390	265	6,330			30 11 0	
25	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.							
25	Earthenware and pots	4,808	1,830	12,325			28 6 0	
25	Stone plates	320	640	770			13 9 0	
25	Copper plates	200	1,900	675			1 13 6	
25	MISCELLANEOUS.							
25	Passenger boats			95,430			945 8 6	
25	Empty do.			1,23,775			1,339 8 0	
25	Straw (883 kahans)	7,720	8,305	25,175			119 8 0	
25	Oil-cake	12,530	12,735	28,875			172 16 0	
25	Furniture	145	275	620			8 7 9	
25	Mats	310	1,100	825			10 8 0	
25	Miscellaneous	6,060	8,473	17,475			141 15 3	
25	Other oils	3,252	11,600	7,240			75 10 3	
25	Soap	1,078	2,475	2,575			18 9 8	
25	Other saline substances	225	430	420			8 15 8	
25	Medicines		500	200			1 4 0	
25	Demurrage						98 6 9	
4,973	Total	4,21,078	17,64,388	11,94,185	48,906	786,407	11,280 0 8	0 2 0
4,734	Total of same month last year	4,11,000	17,23,249	10,86,923	37,619	6,00,298	10,100 4 10	6 2 0

\* This includes tolls on the Narainghar channel, amounting to Rs. 255-10-0.

MEMO.		Rs. A. P.
Unrecovered balance on the 1st of the month		1,885 1 8
Amount of tollage for the month		11,390 0 3
	Total	13,275 1 11
Amount credited in the accounts for the month		11,831 8 8
Balance at the end of the month		1,443 13 3

Hidgelles Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton- nage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.			Rs.	Mds.			Rs. A. P.	A. P.
280	Paddy	55,156	40,997	1,16,325			1,602 12 0	
130	Rice	28,950	50,015	59,975			637 1 3	
1	Gram	180	300	300			5 7 0	
44	Fruits and vegetables	3,229	6,000	7,730			83 11 0	
4	Jaggery	200	105	1,043			14 8 8	
51	Salt	11,835	29,680	27,500			270 8 6	
30	Oil	1,294	12,800	5,385			80 2 0	
60	Fish	260	965	3,135			35 11 0	
STIMULANTS.								
113	Tobacco	7,703	44,919	24,805			307 12 6	
CLOTHING.								
15	Cotton piece-goods (European)	600	22,375	6,300			64 15 3	
STAPLES OF MANUFACTURE.								
3	Hides	210	5,100	500			5 6 6	
1	Mustard seed	100	450	375			1 14 3	
1	Til seed	10	60	40			0 4 0	
BUILDING MATERIALS.								
1	Bricks	200	15	550			2 6 6	
4	Unpoult timber and piles	370	545	305			6 11 8	
6	Bamboos	400	215	1,000			7 4 5	
FUEL.								
3	Coal and coke	550	157	1,475			15 11 9	
3	Firewood	100	75	350			2 10 9	
COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
9	Earthenware and earthen pots	440	405	1,470			11 1 0	
1	Stone plates	30	50	70			0 7 6	
MISCELLANEOUS.								
74	Passenger boats			5,240			54 12 3	
473	Empty do.			44,305			437 7 6	
27	Straw	14,750	5,945	33,775			233 3 8	
13	Rate	1,040	4,235	4,320			33 1 0	
16	Miscellaneous	995	2,900	2,145			33 7 9	
1,420	Total	1,29,430	2,60,952	2,51,490	12,553	223,866	5,942 1 3	0 3 3
2,101	Total of same month last year	2,24,659	2,67,287	5,76,900	20,003	376,925	6,618 11 0	0 3 3

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

MISCELLANEOUS.		Mds.	Rs.				Rs. A. P.	A. P.
2	Empty boats			110			1 0 0	
2	Stores, &c.	60	300	170			1 9 6	
6	Total	60	300	280	10	102	2 10 3	0 3 3
2	Total of same month last year	100	500	615	22	513	2 15 3	0 3 3

ABSTRACT.

	Mds.	Rs.				Rs. A. P.	
1,420	Private, including miscellaneous	1,29,430	2,60,952	2,51,490	12,553	223,866	5,942 1 3
4	Government stores, including ditto	60	300	280	10	102	2 10 3
1,424	Grand Total	1,29,490	2,60,952	2,51,770	12,563	224,018	5,944 11 6
2,100	Grand Total of same month last year	2,24,659	2,67,287	5,77,615	20,025	377,436	6,637 10 3

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	1,400 5 8
Amount of tollage for the month	2,544 11 4
Total	3,944 17 2
Amount credited in the accounts for the month	4,530 1 0
Balance at the end of the month	801 16 0

## SONE CIRCLE.

Eastern Main and Patna Canals.

LENGTH OF CANAL OPEN—86½ MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Mauuds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
4	Rice	28	96	190	6½	418½	6 4 3	.....
2	Wheat	1,150	2,800	1,382	49	4,099	42 8 0	.....
4	Gram	990	1,320	1,449	51½	4,074½	41 9 9	.....
6	Fruits and vegetables	1,700	3,000	2,577	92	6,573	56 7 3	.....
5	Salt	3,900	6,355	3,418	122	9,180	94 13 6	.....
	STIMULANTS.							
23	Tobacco	6,895	18,256	10,796	384½	31,167½	809 9 6	.....
	STAPLES OF MANUFACTURE.							
5	Iron	1,330	2,944	2,137	76	4,813½	42 8 9	.....
4	Rides	600	4,600	1,116	80½	3,043	86 0 3	.....
50	Lanseed	20,678	61,523	28,808	1,015½	68,466	716 11 3	.....
	BUILDING MATERIALS.							
1	Building-stones	360	16	766	9½	47½	0 7 4	.....
58	Stone lime	27,200	8,560	31,562	1,655½	86,427½	879 8 3	.....
5	Kunkur	1,310	100	2,923	106½	3,072½	11 6 3	.....
	FUEL.							
2	Firewood (1,175 in number)		118				1 7 6	.....
	MISCELLANEOUS.							
1	Plant			150	5½	243	1 9 9	.....
3	Passenger boat			1,011	38	2,500	31 11 9	.....
58	Empty do.			13,422	479½	22,143	85 6 3	.....
20	Koth	9,500	40,000	13,394	47½	36,814	406 4 0	.....
1	Copper	60	800	182	6½	340	8 7 6	.....
2	Furniture	225	500	404	14½	862	8 10 9	.....
1	Empty boats	160	400	172	17½	1,115½	11 2 3	.....
63	Miscellaneous	8,895	50,683	16,364	57½	39,827	408 11 3	.....
1	Gunny	50	100	307	7½	160	1 9 9	.....
	Additional toll realized at Daodnugger						1 12 0	.....
356	Total	75,169	1,70,537	1,31,630	4,633	334,733½	3,182 13 6	0 1½
400	Total of same month last year	75,937	2,39,182	1,55,868	5,878½	398,443	3,540 1 9	0 1½

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.				Rs. A. P.	A. P.
2	Tiles (2,370 in number)		120	974	24½	2,129	10 15 6	.....
2	Bulls	500	840	708	25½	1,036½	10 11 6	.....
	MISCELLANEOUS.							
4	Empty boats			519	18½	809½	8 10 3	.....
1	Rain-gauge pipes	50	150	509	21½	310½	3 12 0	.....
1	Stores, &c.			198	72	147	0 10 0	.....
13	Total	550	640	3,010	172½	4,422½	29 11 3	0 1½
10	Total of same month last year	565	1,005	1,546	68½	2,764	26 1 6	0 1½

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	
356	Private, including miscellaneous	75,169	1,70,537	1,31,630	4,633	334,733½	3,182 13 6	.....
13	Government stores, including ditto	550	640	3,010	172½	4,422½	29 11 3	.....
370	Grand Total	75,719	1,71,177	1,34,640	4,805½	339,156½	3,212 3 9	.....
400	Grand Total of same month last year	75,937	2,31,007	1,55,868	5,878½	361,166	3,565 3 3	.....

## MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month		740 6 0
Amount of tollage for the month		3,212 3 9
Total		3,953 19 9
Amount credited to the accounts for the month		3,279 0 6
Balance at the end of the month		673 19 3

## Western Main Canal.

LENGTH OF CANAL OPEN—22 MILES.

## LOCAL TRAFFIC.

## (A)—PRIVATE.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton-mileage.	Tollars.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	A. P.
46	Wheat	22,626	45,278	20,075	1,000	10,500	185 7 6	
1	Gram	399	600	600	15	300	3 4 0	
3	Zoerab	1,001	10,110	1,000	50	500	8 12 0	
	STAPLES OF MANUFACTURE.							
1	Tin and copper	50	8	100	3	30	2 3 0	
8	Limestone	3,922	7,840	5,350	101	1,910	33 7 0	
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.							
8	Grind-mill stones	4,977	2,488	6,200	221	2,310	23 13 0	
	MISCELLANEOUS.							
1	Passenger boat			250	0	00	1 0 0	
12	Empty boat			1,200	48	480	5 3 0	
2	Garroo	700	350	1,000	33	330	6 4 0	
1	Hutts	100	20	175	6	60	2 8 3	
	Toll charged for excess weight						0 3 0	
62	Total	34,000	64,607	46,900	1,638	16,528	277 11 6	0 3 3
77	Total of same month last year	37,000	80,800	48,700	1,740	30,150	358 5 6	0 2 0

## (B)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	MISCELLANEOUS.	Mds.	Rs. A. P.				Rs. A. P.	
1	Empty boats			75	2	28	0 3 0	
1	Total			75	2	28	0 3 0	0 1 0
7	Total of same month last year	1,430	71 8 0	2,000	63	1,572	9 10 3	0 1 1

## ABSTRACT.

	Mds.	Rs. A. P.				Rs. A. P.	
82	Private, including miscellaneous	33,000	64,607 0 0	46,900	1,638	16,528	277 11 6
1	Government stores, including ditto			75	2	28	0 3 0
83	Grand Total	33,000	64,607 0 0	46,975	1,638	16,556	277 15 3
84	Grand Total of same month last year	39,000	80,807 8 0	51,380	1,933	31,731	337 15 9

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	
Amount of tollage for the month	377 15 3
Amount credited in the accounts for the month	3 4 0
Balance at the end of the month	374 11 3

## Arrah Canal.

LENGTH OF CANAL OPEN—65 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton- nage	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.			
ARTICLES OF FOOD.								
9	Rice	2,188	6,846	2,082	110	8,573	54 4 6	.....
45	Wheat	20,601	51,382	30,191	1,678	75,160	463 10 9	.....
18	Pulses and other crops	2,440	5,280	3,046	140	4,846	80 4 9	.....
27	Salt	6,978	26,834	9,678	845	20,672	155 3 0	.....
1	Oil	119	1,190	218	7	84	0 15 9	.....
2	Spices	70	700	270	9	108	0 16 9	.....
STIMULANTS.								
2	Opium seeds	156	468	806	20	1,160	3 0 3	.....
19	Tobacco	6,035	60,350	7,935	283	10,172	94 0 0	.....
STAPLES OF MANUFACTURE.								
1	Brass	44	1,700	94	3	30	0 6 3	.....
2	Lined oil	501	1,653	751	20	1,092	11 5 3	.....
1	Til seed	40	130	90	3	26	2 13 9	.....
BUILDING MATERIALS.								
14	Building stores	6,932	693	8,332	207	20,535	81 5 6	.....
28	Stone lime	6,990	1,795	8,990	311	20,991	207 11 0	.....
...	Buttaha, bamboos (145,449 in number)	.....	.....	.....	.....	.....	96 16 0	.....
MISCELLANEOUS.								
17	Passenger boat	.....	.....	3,300	45	2,310	50 13 9	.....
179	Empty do.	.....	.....	19,381	602	16,137	82 12 9	.....
8	Straw	197	45	807	21	224	2 5 0	.....
6	Treasure	397	4,41,800	604	21	224	2 7 0	.....
3	Gunny	1,969	1,311	1,289	48	2,372	23 5 0	.....
374	Total	58,131	5,95,167	68,167	3,607	178,107	1,389 4 0	0 1 6
387	Total of same month last year	65,337	2,17,764	111,547	3,964	214,873	1,662 8 3	0 1 6

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.			Rs. A. P.	A. P.
8	Brick	2,406	1,605	3,206	118	5,928	37 7 6
1	Building stones	1,315	133	465	16	1,120	9 13 6
11	Timber	389	1,107	589	21	441	7 16 6
<b>MISCELLANEOUS.</b>							
3	Empty boats	.....	.....	635	23	406	9 7 3
14	<b>Total</b>	4,110	2,868	4,896	174	7,895	64 10 9
29	<b>Total of same month last year</b>	8,920	1,187	9,371	333	17,664	101 2 9

## ABSTRACT.

	Mds.	Rs.			Rs. A. P.
374	Private, including miscellaneous	50,121	5,95,167	58,167	3,607
14	Government stores, including ditto	4,120	2,868	4,896	174
290	<b>Grand Total</b>	54,241	6,08,035	63,063	3,781
416	<b>Grand Total of same month last year</b>	70,337	2,18,991	120,716	4,297

MEMO.				Rs. A. P.
Unrecovered balance on the 1st of the month (debit)				23 0 6 (a)
Amount of tollage for the month				1,459 16 0
<b>Total</b>				1,482 16 6
Amount credited to the accounts for the month				1,365 7 9
<b>Balance at the end of the month</b>				64 14 3

(a) This credit balance caused owing to Naurigunge sub-division having omitted to enter the amounts during April, May and June 1884 has been adjusted in this month.



## Buzar Canal.

LENGTH OF CANAL OPEN—45 MILES.

## LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunda.	Tons.			
	ARTICLES OF FOOD.	Mds.	Rs.				Rs. A. P.	Rs. A.
40	Wheat	10,765	18,165	34,795	984	14,121	907 11 3	.....
3	Gram	690	1,290	150	37	1,340	14 14 3	.....
1	Pulses and other crops	207	445	25	9	108	5 4 0	.....
6	Salt	2,953	7,382	3,601	133	3,904	76 10 6	.....
	CLOTHING.							
1	Cotton piece-goods (Indian)	25	1,000	75	3	163	1 10 3	.....
	STAPLE OF MANUFACTURE.							
1	Mowah	275	275	343	13	240	2 3 9	.....
	BUILDING MATERIALS.							
1	Ghooting lime	360	70	450	16	846	9 3 0	.....
...	Bullah (244 in number)	.....	.....	.....	.....	.....	20 5 3	.....
...	Bamboos (76,390 in number)	.....	.....	.....	.....	.....	.....	.....
...	Wood (2,000 in number)	.....	.....	.....	.....	.....	.....	.....
	FUEL.							
2	Firewood	622	239	760	27	840	17 11 6	.....
	MISCELLANEOUS.							
1	Passenger boat	.....	.....	175	6	20	0 15 9	.....
60	Empty do.	.....	.....	8,000	211	6,351	38 5 9	.....
1	Straw	50	75	75	3	43	0 9 0	.....
1	Furniture	50	500	250	9	103	1 14 0	.....
1	Fuller's earth	50	300	75	3	43	0 4 9	.....
1	Gummy	25	800	125	4	144	1 11 6	.....
...	Excess toll charged	.....	.....	.....	.....	.....	0 11 0	.....
127	Total	16,048	30,632	39,841	1,422	27,309	416 3 6	0 29
223	Total of same month last year	29,504	67,851	64,725	1,951	31,513	721 3 0	0 43

## (2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
...	NH	.....	.....	.....	.....	.....	.....	.....
...	Total	.....	.....	.....	.....	.....	.....	.....
1	Total of same month last year	.....	.....	175	6	242	1 4 0	0 09

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	
127	Private, including miscellaneous	10,048	30,632	39,841	1,422	27,309	416 3 6	.....
...	Government stores, including ditto	.....	.....	.....	.....	.....	.....	.....
127	Grand Total	16,048	30,632	39,841	1,422	27,309	416 3 6	.....
224	Grand Total of same month last year	29,504	67,851	64,900	1,967	31,765	722 7 0	.....

## MEMO.

					Rs. A. P.
Unrecovered balance on the 1st of the month	.....	.....	.....	.....	31 1 2
Amount of tollage for the month	.....	.....	.....	.....	416 3 6
				Total	447 4 8
Amount credited in the accounts for the month	.....	.....	.....	.....	385 10 8
Balance at the end of the month	.....	.....	.....	.....	60 10 6

ABSTRACT FOR THE MONTH OF JULY 1884.

CANAL.	TRAFFIC, 1884-85.		TRAFFIC, 1883-84.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Taldunda	106 0 0	356 12 0	320 0 10	803 1 10	
Kendrapara	2,701 11 11	9,384 10 3	2,681 3 1	12,590 7 3	
High Level, Range I	682 10 0	1,297 8 9	623 12 5	1,010 0 0	
Ditto, ditto II	108 4 0	762 9 9	124 3 5	1,442 1 6	
Ditto, ditto III	134 1 0	300 10 0	60 15 3	324 13 11	
Total Orissa Circle	3,612 12 3	12,022 3 9	3,707 0 11	17,386 1 5	
SOUTH-WESTERN CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Madnapore	11,340 0 3	67,047 13 3	10,108 4 10	40,430 3 3	
Widgeline Tidal	3,344 11 6	15,027 0 0	6,027 10 3	27,094 2 6	
Total South-Western Circle	15,224 11 9	82,074 13 3	16,135 15 1	67,524 5 9	
SONE CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Eastern Main and Patna	3,212 8 9	9,509 3 2	3,555 3 3	6,747 5 9	
Western Main	277 15 3	277 15 3	337 15 9	1,080 9 6	
Arrah	1,453 15 0	1,453 15 0	1,581 12 0	6,811 6 0	
Buxar	416 3 0	416 3 0	722 7 0	3,107 1 3	
Total Sone Circle	5,360 11 0	11,657 5 0	6,396 0 0	16,825 5 6	
GRAND TOTAL	24,598 2 11	80,254 5 0	24,902 6 0	1,02,044 13 8	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1884-85.						TRAFFIC, 1883-84.					
	During the month.			To end of the month.			During the corresponding month.			To end of the corresponding month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
<b>ORISSA CIRCLE.</b>												
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Taldunda and Kendrapara	2,046	17	2,165 11 8	3,817	9,410	7,152 13 0	2,888	1,152	4,181 12 6	5,017	1,102	3,662 8 6
High Level	648	1,505	760 14 6	1,009	4,037	2,107 6 7	1,003	1,980	1,162 8 11	1,783	2,753	2,916 10 6
Total Orissa Circle	2,694	1,522	2,927 10 3	4,826	14,747	9,259 4 9	3,891	2,002	5,344 8 8	6,800	3,855	10,009 3 0
<b>SOUTH-WESTERN CIRCLE.</b>												
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Madnapore	11,490	801	750 0 0	30,815	2,766	3,000 0 0	11,541	412	1,000 0 0	45,404	1,639	4,000 0 0
Total South-Western Circle	11,490	801	750 0 0	30,815	2,766	3,000 0 0	11,541	412	1,000 0 0	45,404	1,639	4,000 0 0
<b>SONE CIRCLE.</b>												
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Eastern Main and Patna	349	187	1 9	2,243	1,250	9 9	411	1,127	683 9 3	1,728	3,413	1,017 11 3
Western Main and Buxar	1,121	3,645	1,042 2 6	1,171	3,645	1,298 6 0	1,684	2,690	1,033 14 6	3,008	10,948	3,801 8 3
Arrah	2,140	1,800	1,306 0 0	2,140	988	1,306 0 0	2,230	602	1,671 0 0	9,081	7,300	6,173 0 0
Total Sone Circle	3,510	4,632	2,350 4 3	5,554	6,778	2,604 0 3	4,325	4,419	3,018 7 9	13,817	22,061	10,002 1 0
GRAND TOTAL	17,694	7,255	6,225 14 8	41,195	24,290	10,264 4 3	19,757	7,833	9,362 13 2	66,021	27,535	25,011 4 6

\* Besides 4,592 parcels.

† Ditto 6 ditto.

TOTAL NAVIGATION RECEIPTS.

	RECEIPTS, 1884-85.		RECEIPTS, 1883-84.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals	6,830 6 4	21,342 6 9	9,141 6 4	28,055 4 8	
Madnapore Canal	12,150 0 5	40,047 13 3	11,108 4 10	41,030 3 3	
Widgeline Tidal Canal	3,944 11 6	18,027 9 9	6,027 10 3	27,094 2 6	
Sone Canals	7,985 13 5	16,002 5 9	9,527 13 9	24,817 5 0	
GRAND TOTAL	30,891 1 4	85,419 9 9	34,803 3 3	1,27,000 2 8	

CALCUTTA,  
The 16th September 1884.

G. F. E. S. NEILL, Major, M.S.C.,  
Under-Secy. to the Government of Bengal.

PUBLIC WORKS DEPARTMENT—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low water on the Rivers Ganges, Bagmati, Jhelilinghee, and Brahmapootra for the month of August 1884.

Date.	Mileage.	RIVER GANGES.										RIVER JHELILINGHEE.		RIVER BRAHMAPOOTRA.	
		Mitapore.	Barra.	Dinapore.	Moultur.	Salticure.	Rampore Roubah.	Godhindo.	Berhampore.	Krishnachur.	Gomhatty.				
1st	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21st	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

United 16th September 1884.

G. F. E. S. NRIH, Major, M. C.  
Under-Secy. to the Government of Bengal.

## EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the three weeks and five days ending 26th July 1884,  
as compared with the same period of 1883.

STAPLES.	1884.		1883.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
<b>ANIMALS, LIVING</b>	No. 80	276	No. 80	641	No. 31	480	No. 49	285
Horses, ponies, and mules	30	576	30	1,104	31	118	49	1,104
Cattle	1,820	1,522	1,820	1,104	31	118	49	1,104
Sheep and goats	3	71	3	71	31	118	49	1,104
Other kinds	681	634	681	634	31	118	49	1,104
<b>Horax</b>								
Canes and rattans	4	2	4	2	31	118	49	1,104
Caoutchouc (Indian-rubber)	22	82	22	82	31	118	49	1,104
Chinese and Japanese ware	2,053,800	1,27,344	2,053,800	1,27,344	31	118	49	1,104
Coal and coke, up	13,78,945	2,60,940	13,78,945	2,60,940	31	118	49	1,104
Do, down	10,683	23,442	10,683	23,442	31	118	49	1,104
<b>COTTON, MANUFACTURED.</b>								
Twist and yarn (European)	7,528	14,338	7,528	14,338	31	118	49	1,104
Do, (Indian)	67,585	91,437	67,585	91,437	31	118	49	1,104
Piece-goods (European)	17,524	14,743	17,524	14,743	31	118	49	1,104
Do, (Indian)	40	25	40	25	31	118	49	1,104
<b>DRUGS AND MEDICINES.</b>								
Asafoetida	837	1,416	837	1,416	31	118	49	1,104
Other sorts, not intoxicating	906	775	906	775	31	118	49	1,104
Intoxicating drugs (other than opium, i.e., arsenic, bang, galls, and ehurus, &c.)	263	133	263	133	31	118	49	1,104
<b>DYEING MATS.</b>								
Indigo	14	4	14	4	31	118	49	1,104
Raw cotton	63	70	63	70	31	118	49	1,104
Other kinds	2,433	6,285	2,433	6,285	31	118	49	1,104
<b>Earthenware and porcelain</b>								
Do, raw	450	897	450	897	31	118	49	1,104
Do, manufactured (gunny bags and cloths)	1,304	474	1,304	474	31	118	49	1,104
<b>FIBROUS PRODUCTS.</b>								
Do, raw	67,315	35,167	67,315	35,167	31	118	49	1,104
Do, manufactured	223	93	223	93	31	118	49	1,104
<b>FRUITS &amp; VEGETABLES.</b>								
Coconuts	1,074	1,089	1,074	1,089	31	118	49	1,104
All other kinds	23,558	20,705	23,558	20,705	31	118	49	1,104
<b>GRAIN &amp; PULSES.</b>								
Wheat	6,11,426	2,47,260	6,11,426	2,47,260	31	118	49	1,104
Gram and pulses	1,01,091	35,762	1,01,091	35,762	31	118	49	1,104
Rice, husked	1,77,692	46,610	1,77,692	46,610	31	118	49	1,104
Do, unhusked	14,052	6,683	14,052	6,683	31	118	49	1,104
Other rain and spring crops	1,10,023	22,185	1,10,023	22,185	31	118	49	1,104
<b>Gums and resins</b>								
Gum of cattle	2,391	1,817	2,391	1,817	31	118	49	1,104
Skins of sheep, goats, and small animals	34,741	17,361	34,741	17,361	31	118	49	1,104
<b>HIDES &amp; SKINS.</b>								
Do, small animals	7,047	6,401	7,047	6,401	31	118	49	1,104
<b>LAC.</b>								
Do, shell	3	16	3	16	31	118	49	1,104
Do, stick and other kinds	7,296	6,700	7,296	6,700	31	118	49	1,104
<b>LEATHER.</b>								
Do, unmanufactured	1,763	3,354	1,763	3,354	31	118	49	1,104
Do, manufactured	1,037	2,165	1,037	2,165	31	118	49	1,104
<b>Liquors</b>								
Do, raw	9,841	11,268	9,841	11,268	31	118	49	1,104
<b>METALS AND MANUFACTURES.</b>								
Brass and copper	20,631	21,281	20,631	21,281	31	118	49	1,104
Iron	60,022	85,425	60,022	85,425	31	118	49	1,104
Other metals	6,741	8,121	6,741	8,121	31	118	49	1,104
<b>Oil</b>								
Do, raw	19,461	14,008	19,461	14,008	31	118	49	1,104
<b>Paints and colours</b>								
Do, raw	1,075	878	1,075	878	31	118	49	1,104
<b>Provisions</b>								
Do, raw	1,165	1,467	1,165	1,467	31	118	49	1,104
<b>Railway materials, Construction Account</b>								
Do, raw	13,810	10,563	13,810	10,563	31	118	49	1,104
Do, ditto, Foreign	2,300	2,167	2,300	2,167	31	118	49	1,104
<b>Salt</b>								
Do, raw	17,046	22,876	17,046	22,876	31	118	49	1,104
<b>SALTPETRE, &amp;c.</b>								
Do, raw	3,22,104	1,01,911	3,22,104	1,01,911	31	118	49	1,104
Do, ditto	81,238	10,449	81,238	10,449	31	118	49	1,104
<b>SEEDS.</b>								
Do, raw	22,007	5,246	22,007	5,246	31	118	49	1,104
Do, ditto	3,13,743	1,10,777	3,13,743	1,10,777	31	118	49	1,104
Mustard and rape	1,99,785	79,814	1,99,785	79,814	31	118	49	1,104
Oil-seeds	2,822	1,149	2,822	1,149	31	118	49	1,104
Indigo seed	1,47,911	67,180	1,47,911	67,180	31	118	49	1,104
Other kinds	6,896	2,492	6,896	2,492	31	118	49	1,104
<b>SILK.</b>								
Do, raw	17,034	9,093	17,034	9,093	31	118	49	1,104
Do, manufactured (European)	1,097	1,523	1,097	1,523	31	118	49	1,104
Do, ditto (Indian)	347	318	347	318	31	118	49	1,104
<b>Spices</b>								
Do, raw	6,239	8,006	6,239	8,006	31	118	49	1,104
Do, ditto	86,022	8,323	86,022	8,323	31	118	49	1,104
<b>SUGAR.</b>								
Do, refined	78,126	16,960	78,126	16,960	31	118	49	1,104
Do, unrefined	9,747	2,165	9,747	2,165	31	118	49	1,104
<b>TEA.</b>								
Do, Foreign	1,033	2,800	1,033	2,800	31	118	49	1,104
<b>Tobacco</b>								
Do, raw	57	8	57	8	31	118	49	1,104
<b>WOOD.</b>								
Timber	27,006	11,433	27,006	11,433	31	118	49	1,104
Firewood	30,607	7,169	30,607	7,169	31	118	49	1,104
Wool, raw	17,055	1,130	17,055	1,130	31	118	49	1,104
Do, manufactured (European)	1,028	299	1,028	299	31	118	49	1,104
<b>Wool.</b>								
Do, raw	1,071	681	1,071	681	31	118	49	1,104
Do, manufactured (Indian)	1,071	681	1,071	681	31	118	49	1,104
<b>All other articles of merchandise</b>								
Government stores	1,08,022	1,08,022	1,08,022	1,08,022	31	118	49	1,104
Miscellaneous	14,150	2,403	14,150	2,403	31	118	49	1,104
<b>Total</b>	30,03,718	16,93,268	30,03,718	16,93,268	31	118	49	1,104

**Remarks on the fluctuations of principal staples carried over the East Indian Railway during three weeks and 5 days ended 26th July 1884.**

**DECREASES.**

**Wheat.**—The heavy decrease in this staple is due to want of demand in the English and continental markets.  
**Coal.**—An increase in the downwards coal traffic was neutralized by a decrease in the upward traffic, and this is attributable to the indents from Foreign Railways having been less than in 1883.  
**Salt.**—The falling off in this commodity is due to general dullness of trade.  
**Railway Materials, Foreign.**—This decrease is accounted for by smaller despatches of material for State Railway construction.  
**Seeds.**—There has been a net decrease in seeds of all kinds, attributable to supplies being limited in comparison with the demand.  
**Sugar.**—Deficient rainfall last season, followed by partial failure of the sugarcane crop, accounts for the falling off in this staple.  
**Tobacco.**—The decrease in this staple can only be attributed to general depression of trade.  
**Rice.**—There has been a net decrease in the total traffic for both husked and unhusked rice, which may be assigned to the scanty rainfall last season.  
**Gunny.**—The depressed state of the wheat and seed trade during the period under review explains the cause of the decrease in gunnies.  
**Gram and Pulses.**—An increase in weight is counterbalanced by a decrease in earnings, which is attributable to the traffic having been carried shorter distances this year to meet local demands.

N. ST. L. CARTER, Traffic Manager.

TRAFFIC MANAGER'S OFFICE, JAMALPUR, 9th September 1884.

**Weekly Return of Traffic Receipts on Indian Railways.**

**EAST INDIAN RAILWAY.**

*Approximate Return of Traffic for week ended 6th September 1884 on 1,509½ miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,83,210	2,71,857 1 0	17,99,948 20	3,90,482 14 0	15,116 15 0	6,77,386 14 0	61,753	24,509	1,46,262
Or per mile of railway ...	179 19 6	179 19 6	11,999 12 0	258 12 0	10 0 8	448 10 9	...	...	...
For previous 9 weeks of half-year ...	1,687,794	17,53,859 5 0	1,72,10,646 20	59,05,777 9 0	1,36,770 5 5	57,94,607 4 5	534,957	777,794	1,312,751
Total for 10 weeks ...	1,971,004	20,25,636 4 0	1,19,12,990 0	42,05,559 7 0	1,51,887 7 5	64,71,274 9 0	596,730	802,504	1,459,234
COMPARISON.									
Total for corresponding week of previous year ...	179,310	1,82,779 8 0	13,44,996 10	5,17,501 8 5	13,303 10 5	6,16,584 4 5	60,110	130,283	190,393
Per mile of railway corresponding week of previous year ...	...	121 2 0	...	400 5 5	13 3 1	543 7 6	...	...	...
Total to corresponding date of previous year ...	1,906,215	19,37,963 7 9	2,40,40,966 20	65,64,380 14 7	1,79,616 6 7	65,78,300 11 11	614,373	1,309,189	2,013,701

\* The heavy increase is due chiefly to pilgrims to Madyanath, Gya, and Benares.

**Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.**

RECEIPTS FOR WEEK ENDING 5TH SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 5TH SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 6TH SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,809	5,16,584	542	1,809½	6,77,387	440	1,500	2,27,92,797	15,104	1,809½	1,60,80,448	11,900	.....	45,53,365

## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884, on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-bent.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
A.—Total traffic for the week ...	91,967	Rs. 30,410 0 0	Mds. 3,30,189 0	Rs. 75,639 0 0	Rs. 8,750 0 0	Rs. 1,14,790 0 0	12,940	11,200	24,140
Or per mile of railway ...	250	85 0 0	945 0	210 0 0	...	305 0 0	...	...	...
For previous 8 weeks of half-year ...	647,200	2,32,596 0 0	17,43,506 0	3,43,421 0 0	47,481 0 0	6,23,498 0 0	68,535	68,356	1,36,891
Total for 9 weeks ...	739,244	2,63,096 0 0	21,22,775 0	4,19,951 0 0	56,231 0 0	7,39,283 0 0	1,11,375	79,910	1,90,591
COMPARISON.									
B.—Total for corresponding week of previous year ...	80,405	31,045 0 0	2,88,550 0	55,925 0 0	11,108 0 0	88,078 0 0	9,789	7,463	17,252
Or per mile of railway corresponding period of previous year ...	226	118 0 0	953 0	217 10 2	...	330 10 11	...	...	...
Total to corresponding date of previous year ...	667,563	2,81,834 0 0	21,86,941 0	3,97,938 0 0	79,091 0 0	7,58,963 0 0	90,065	69,932	1,59,597

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz., Rs. 4,740 and Rs. 3,300 respectively, apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz., Rs. 1,146, and Calcutta and South-Eastern receipts Rs. 4,266.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 2ND SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30TH AUGUST 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 2ND SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 30TH AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
253	Rs. 98,075	373	350*	Rs. 1,14,790	328	253	Rs. 19,55,448	7,549	350	Rs. 17,74,895	4,839	.....	Rs. 2,12,603

\* Increase in mileage.

	Miles.
Eastern Bengal Railway ...	359
Bengal Central Railway ...	91
...	96

## EASTERN BENGAL STATE RAILWAY.

Approximate return of traffic for week ended 6th September 1884 on 359 miles open, including Calcutta and South-Eastern and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-bent.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
A.—Total traffic for the week ...	77,951	Rs. 30,940 0 0	Mds. 3,11,037 0	Rs. 74,410 0 0	Rs. 7,370 0 0	Rs. 1,12,620 0 0	12,940	10,446	23,386
Or per mile of railway ...	217	86 0 0	864 0	207 0 0	...	309 0 0	...	...	...
For previous 8 weeks of half-year ...	780,234	2,63,096 0 0	21,22,775 0	4,19,951 0 0	56,231 0 0	7,39,283 0 0	1,11,375	79,910	1,90,591
Total for 10 weeks ...	817,185	2,93,946 0 0	24,33,512 0	4,68,901 0 0	63,601 0 0	8,50,908 0 0	1,24,221	90,003	2,14,224
COMPARISON.									
B.—Total for corresponding week of previous year ...	68,435	32,172 0 0	2,83,740 0	55,100 0 0	10,785 0 0	1,08,057 0 0	9,444	7,404	16,848
Or per mile of railway corresponding period of previous year ...	200	123 8 3	1,070 0	247 8 5	...	309 13 8	...	...	...
Total to corresponding date of previous year ...	715,990	3,14,906 0 0	24,79,590 0	4,63,098 0 0	89,878 0 0	8,65,926 0 0	90,449	70,420	1,60,875

A.—Includes receipts of Calcutta and South-Eastern Railway, and 50 per cent. of receipts of Bengal Central Railway, viz., Rs. 4,165 and Rs. 3,671 respectively, apportioned over the several heads of traffic.

B.—Includes share of Bengal Central Railway receipts due to Eastern Bengal Railway for working, viz., Rs. 931, and Calcutta and South-Eastern receipts Rs. 4,551.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 5TH SEPTEMBER 1884.			RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 5TH SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 6TH SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
208	Rs. 1,06,087	411	300*	Rs. 1,12,030	316	208	Rs. 20,93,806	7,900	310	Rs. 18,35,006	5,253	.....	Rs. 2,07,900

\* Increase in mileage.

	Miles.
Eastern Bengal Railway ...	359
Bengal Central Railway ...	91
...	96



## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 30th August 1884 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week	16,770	6,304 0 0	10,490 0	1,371 0 0	44 0 0	7,719 0 0	5,227	1,024	4,755
Or per mile of railway	133	50 0 0	83 0 0	11 0 0	0 0 0	61 0 0	...	...	...
For previous 9 weeks of half-year	1,34,235	45,523 0 0	61,534 0	6,362 0 0	418 0 0	62,793 0 0	24,960	4,607	32,783
Total for 9 weeks	1,51,005	51,827 0 0	72,024 0	7,733 0 0	462 0 0	82,012 0 0	27,613	5,631	37,234
COMPARISON.									
B.—Total for corresponding week of previous year	9,940	1,042 0 0	18,043 0	638 0 0	12 0 0	2,592 0 0	816	300	1,208
Per mile of railway corresponding period of previous year	270	46 16 7	516 0	18 8 8	0 8 6	63 7 9	...	...	...
Total to corresponding date of previous year	85,321	14,776 0 0	1,39,630 0	2,466 0 0	290 0 0	18,532 0 0	7,599	6,051	10,590

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 22d SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 30th AUGUST 1884.			TOTAL RECEIPTS FROM 1st APRIL 1883 TO 22d SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1st APRIL 1884 TO 30th AUGUST 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
35	1,292	65	126	7,719	61	25	67,378	1,351	126	1,97,070	1,564	1,42,794	...

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 6th September 1884, on 126 Miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
A.—Total traffic for the week	16,415	6,471 0 0	9,648 0	824 0 0	47 0 0	7,342 0 0	5,237	1,016	4,805
Or per mile of railway	130	51 0 0	76 0 0	7 0 0	...	58 0 0	...	...	...
For previous 9 weeks of half-year	1,66,025	52,137 0 0	91,637 0	7,923 0 0	463 0 0	80,512 0 0	27,613	5,623	37,234
Total for 10 weeks	171,440	58,608 0 0	1,01,285 0	8,747 0 0	509 0 0	87,854 0 0	30,950	10,643	41,593
COMPARISON.									
B.—Total for corresponding week of previous year	8,741	1,640 0 0	9,773 0	313 0 0	12 0 0	1,968 0 0	938	270	1,208
Per mile of railway corresponding period of previous year	250	40 0 0	279 0	8 15 1	0 6 10	59 5 11	...	...	...
Total to corresponding date of previous year	94,002	19,316 0 0	1,46,612 0	2,779 0 0	300 0 0	20,400 0 0	8,176	5,823	17,696

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 22d SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 6th SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1st APRIL 1883 TO 22d SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1st APRIL 1884 TO 6th SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
35	1,292	53	126	7,342	58	25	69,100	1,401	126	2,04,413	1,623	1,55,273	...

## PATNA AND GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 6th September 1884 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	33,715	Rs. A. P. 23,020 3 0	Mds. 35,073 20	Rs. A. P. 2,137 10 0	Rs. A. P. 38 15 0	Rs. A. P. 23,905 13 0	2,610	1,410	3,480
Or per mile of railway ...	583	402 9 9	611 20	37 6 11	0 10 11	410 10 7	.....	.....	.....
For previous 9 weeks of half-year ...	74,424	53,368 5 0	4,79,554 10	23,045 5 0	1,001 9 3	72,714 3 3	14,765½	9,815½	24,581
Total for 10 weeks ...	1,00,739	81,593 8 0	5,14,527 30	33,193 15 0	1,130 8 3	97,919 15 3	16,775½	11,225½	24,001
COMPARISON.									
Total for corresponding week of previous year ...	9,000	4,468 11 7	45,731 30	2,228 15 0	97 7 0	4,783 1 7	1,743	741	2,486
Per mile of railway corresponding week of previous year ...	156	78 2 0	799 20	38 15 5	1 0 1	119 1 6	.....	.....	.....
Total to corresponding date of previous year ...	81,663	23,465 10 1	2,77,805 20	17,779 14 0	467 13 0	56,743 5 1	18,532	6,195	24,637

Approximate Statement of gross receipts of the Patna and Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 6TH SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 6TH SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57½	Rs. 6,755	118	57½	Rs. 25,206	441	57½	Rs. 1,76,407	3,063	57½	Rs. 2,11,417	3,686	Rs. 24,050	.....

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 6th September 1884 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	2,708	Rs. A. P. 2,808 0 0	Mds. 49,164 30	Rs. A. P. 1,798 9 0	Rs. A. P. 103 11 0	Rs. A. P. 3,191 4 0	687	704	1,451½
Or per mile of railway ...	.....	41 6 5	.....	23 16 5	1 6 1	40 10 11	.....	.....	.....
For previous 9 weeks of half-year ...	26,165	20,300 7 0	2,30,267 10	16,102 8 3	604 3 6	47,106 15 9	5,739½	7,045½	13,718½
Total for 10 weeks ...	26,833	21,304 7 0	4,58,473 0	17,692 15 3	608 13 0	52,294 5 0	6,484½	8,710½	15,164½
COMPARISON.									
Total for corresponding week of previous year ...	2,972	2,630 11 8	10,987 10	1,066 7 0	93 7 0	4,190 0 6	678	681	1,359
Per mile of railway corresponding week of previous year ...	.....	40 10 11	.....	14 6 0	1 4 1	56 4 0	.....	.....	.....
Total to corresponding date of previous year ...	26,983	21,116 3 4	1,90,165 30	16,638 7 0	1,060 8 0	52,130 2 4	6,378	8,043	12,573

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1883.			RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 6TH SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 6TH SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
74½	Rs. 4,191	56	74½	Rs. 2,191	70	74½	Rs. 1,30,753	1,636	74½	Rs. 1,50,634	2,022	Rs. 13,882	.....

## GHAZIPUR-DILDARNAGAR STATE RAILWAY.

Approximate Return of Traffic for week ended 6th September 1884 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIL-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	1,950	405 6 0	8,804 10	173 13 0	25 5 0	602 5 0	243	253	601
Or per mile of railway ...		33 9 10		14 7 9	2 1 9	50 5 4			
For previous 9 weeks of half-year ...	18,763	3,676 3 0	88,166 30	1,308 13 0	238 13 3	5,273 13 3	1,673	1,193	2,867
Total for 10 weeks ...	20,713	4,079 9 0	97,071 0	1,482 12 9	264 2 3	5,876 7 3	1,916	1,446	3,362
COMPARISON.									
Total for corresponding week of previous year ...	2,108	371 4 3	10,087 30	215 6 0	13 5 0	601 13 3	311	313	330
Per mile of railway corresponding week of previous year ...		30 10 1		18 3 3	1 9 3	50 5 3			
Total to corresponding date of previous year ...	20,931	3,632 0 9	92,444 0	2,230 9 0	229 0 0	6,100 9 9	2,213	1,077	3,290

Approximate Statement of gross receipts of the Ghazipur-Dildarnagar State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1884.			RECEIPTS FOR WEEK ENDING 6TH SEPTEMBER 1883.			TOTAL RECEIPTS FROM 1ST APRIL 1883 TO 6TH SEPTEMBER 1884.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 6TH SEPTEMBER 1884.			Total increase in 1884.	Total decrease in 1884.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
12	Rs. 403	30	12	Rs. 403	30	12	Rs. 21,633	1,803	12	Rs. 23,810	1,984	Rs. 2,177	Rs. ....

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			First 10 days of July 1883.	First 10 days of July 1884.	To 14th July 1883.	To 14th July 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
2nd August ...	Northern Bengal ..	249	57,322 0 0	54,120 0 0	12,33,927 0 0	10,16,678 0 0	1,08,950 0 0	1,90,949 0 0	-16
19th July ...	Tirhoot ...	193	28,560 0 0	28,104 0 0	4,45,531 0 0	6,14,613 0 0	1,08,950 0 0	3,063 0 0	+24
26th ...	Nalhati ...	27	2,088 0 0	2,424 0 0	47,119 0 0	41,673 0 0			-12
	Total ...	469	88,970 0 0	84,648 0 0	17,26,577 0 0	16,73,964 0 0		31,009 0 0	-3

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1884.	Total decrease in 1884.	Percentage of increase or decrease.
			21st July 1883.	19th July 1884.	To 21st July 1883.	To 19th July 1884.			
1884.		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	
2nd August ...	Northern Bengal ..	249	50,953 0 0	52,510 0 0	12,60,490 0 0	10,60,493 0 0		2,00,392	-16
19th July ...	Tirhoot ...	193	14,413 0 0	14,773 0 0	4,59,244 0 0	6,31,398 0 0	1,71,444		+37
26th ...	Nalhati ...	27	1,134 0 0	1,069 0 0	48,227 0 0	40,391 0 0		2,955	-6
	Total ...	469	66,500 0 0	68,352 0 0	17,68,061 0 0	17,32,282 0 0		31,410	-3

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Earnings for week ending 30th August 1884	10,779	0	0
Corresponding week last year	10,354	2	3
Increase	424	13	9
Receipts from 1st July to 30th August 1884	70,550	0	0
from 1st July to 1st September 1883	72,231	0	8
Increase	1,681	0	8
Miles open week ending 30th August 1884	50		
Corresponding week last year	50		
Receipts per mile open week ending 30th August 1884	215	9	3
Corresponding week last year	207	1	4
Increase	8	7	11

DARJEELING, the 6th September 1884.

W. STEVENSON, Secretary.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Earnings for week ending 6th September 1884	7,656	0	0
Corresponding week last year	8,685	7	0
Decrease	1,029	7	0
Receipts from 1st July to 6th September 1884	78,228	13	3
From 1st July to 6th September 1883	80,919	7	8
Decrease	2,690	10	5
Miles open week ending 6th September 1884	50		
Corresponding week last year	50		
Receipts per mile open week ending 6th September 1884	153	1	11
Corresponding week last year	173	11	6
Decrease	20	9	5

DARJEELING, the 13th September 1884.

W. STEVENSON, Secretary.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 24, 1884.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 20th September 1884.*

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts</i>			
1	Burdwan, Sept. 20 '84	0.02	Weather—hot and dry; one or two short local showers. <i>Amu</i> crop being got in with an outturn of 5 or 6 <i>amus</i> . No further transplanting of <i>amus</i> can be expected, but the transplanted crop which will in any case be very short of the average quantity may be saved by continuance of the rains. Rain still holding off, and is urgently wanted. Price of rice falling in Cutwa, and rising slightly in Raneegeunge. Coarse rice selling at from 13 to 14 sears per rupee everywhere. Public health good.
	Cutwa	0.06	
	Cutwa	0.37	
	Raneegeunge	0.10	
2	Bankura, " 20 "	1.38	Weather—hot and dry. <i>Amu</i> being reaped in many places. Prices generally unsteady; no change in defective tracts, generally stationary. Rain wanted. Public health good.
	Bishenpore	Nil	
	Mahura	Nil	
	Khattra	0.17	Weather—generally dry and sultry. Rain badly wanted. Failure of <i>amu</i> and <i>amus</i> crops inevitable in the greater part of thana Nulhatti and Shushpore. Prospects not good in some other parts also. Prices stationary. General health satisfactory.
3	Boerbloom, " 20 "	0.08	
	Rampore Haut	0.50	
4	Midnapore, " 20 "	1.48	Weather—very hot in the early part of the week. There has been little or no rain in many parts, and considerable anxiety is felt for <i>amus</i> crop, especially in the Dantoon thana. Public health fair, but fever prevalent in the Ghatal sub-division.
5	Hooghly, " 20 "	1.19	Weather—very hot. Prospects of crops favourable so far, but more rain wanted, and if it do not fall, and the present hot weather continue, the consequence will be serious. Public health fairly good for the time of the year, but fever somewhat prevalent. <i>Amu</i> harvested with fair outturn.
	Perampore	0.45	
	Jahanshab	0.21	
	Howrah, 22 "	0.03	Weather—good. <i>Amu</i> and jute crops being cut. <i>Amu</i> doing well.
	Chokoberiab	0.31	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.		
BENGAL.— <i>conold</i>					
Central Districts.					
PRESIDENCY DIV.	6 24-Pargunnahs Sept. 23 '84	Nil	Weather—hot and clear. Prospects of <i>amun</i> good. Harvesting of <i>amun</i> and cutting of jute still going on. Sugarcane doing well. Public health generally good.		
	7 Nuddea, " 20 "	31	Weather—cloudy and sultry. State of <i>amun</i> not very favourable, and in the Meherpore sub-division very bad for want of rain. Fever increasing.		
	Koachra " " "	87			
	Meherpore " " "	68			
	Choodanga " " "	54			
	Ranaghat " " "	Nil	Weather—hot and dry. <i>Amun</i> harvest good, and <i>amun</i> progressing fairly. Health fair.		
	8 Khoolna, " 20 "	Nil			
	9 Jessore, " 20 "	0.19	Weather—very hot. <i>Amun</i> crop doing well in some places. More rain wanted for <i>amun</i> on high lands. Cases of fever reported from the Magarah sub-division, and there is much sickness everywhere.		
	Jhanida " " "	1.98			
	Magorah " " "	0.40			
Narail " " "	55				
RAJSHAHY DIV.	10 Hooghly, " 20 "	Nil	Weather—hot and sultry. Prospects of crops steadily deteriorating, and prices rising. <i>Kalai</i> sowings in progress in dearah lands.		
	Moorsheadabad, " 20 "	0.16			
	Kandi " " "	1.08			
	Jungipore " " "	Nil			
	Lalbagh " " "	1.81	Weather—dry and hot, with occasional showers of rain. More rain wanted in the west of the district, but, despite the holding off of the rains, 10 annas of <i>amun</i> paddy transplanted generally. Towards the east of the district prospects good, and <i>amun</i> outturn has been an excellent one.		
	11 Dinapore, Sept. 19 '84	18			
	12 Rajshahye, " 20 "	0.21	Weather—extremely hot. Rain still most urgently wanted. <i>Amun</i> suffering greatly all over district. Health fair.		
	Natore " " "	Nil			
	Nowgong " " "	1.28			
	13 Rangpore, " 20 "	4.94			
	Dacca DIV.	Nilphamari " " "	2.41	Weather—hot and cloudy. Prospects of <i>amun</i> crops not good owing to want of rain. Jute also cannot be soaked for scanty rainfall. Malarious fever still prevailing at head-quarters station. Public health generally good.	
		Gaibanda " " "	3.80		
Kurigram " " "		22			
14 Bogra, " 20 "		48			
CHITTAGONG DIV.		15 Pabna, " 20 "	1.23	Weather—hot and dry. After twelve days of great heat there was a good shower yesterday, but it was very much less than the actual want. <i>Amun</i> paddy on high lands is in a very unsatisfactory condition.	
		16 Darjeeling, " 20 "	85		
		17 Julpigoree, " 23 "	90		
		Eastern Districts.	18 Dacca, Sept. 20 '84		14
			Manickgunge " " "	25	
			Moonsheegunge " " "	13	
			Naratogunge " " "	3.33	
		19 Farreedpore, " 20 "	53	Weather—excessively hot and sultry. State and prospects of <i>amun</i> very fair, and of sugarcane good. Rivers greatly fallen. Public health generally good.	
	Gaulundo " " "	24			
	Madaripore " " "	19			
	20 Backergunge, " 18 "	1.7			
	CHITTAGONG DIV.	21 Mymensingh, " 19 "	70	Weather—cloudy; more rain needed. Gathering of <i>amun</i> crop finished. Prospects of <i>amun</i> good. Transplanting almost completed. Fever prevalent in some parts of the Pirozapore sub-division, otherwise general health good.	
Jamapore " " "		Nil			
Kishoregunge " " "		Nil			
Attia " " "		Nil			
Netrokona " " "		48	Weather—very close. Slight storm on the night of the 18th. Rain very much wanted for paddy all over the district. Outturn of <i>amun</i> poor. <i>Amun</i> plants on high lands much damaged for want of rain and prospects unfavourable.		
22 Chittagong, Sept. 22 '84		2.42			
23 Noakholly, " 19 "		3.74			
24 Tipperah, " 18 "		Nil			
CHITTAGONG DIV.		Brahmunberah " " "	87	Weather—dry and sultry. Prospects of crops on the whole favourable. More rain wanted. Public health good.	
		Chandapore " " "	Nil		
		25 Chittagong Hill Tracts, " 16 "	47		
		Hill Tipperah " 17 "	65		
	BEHAR.	26 Patna, Sept. 20 '84	Nil	Weather—hot and sultry. <i>Bhadai</i> crops being harvested. General outturn of <i>bhadai</i> crops may be estimated at 8 annas in the Behar and other sub-divisions, except in the Barh sub-division, where the outturn may be estimated at 12 annas. Rain much wanted for paddy crop. Lands are being prepared for sowing <i>rubbee</i> . Public health good except in the Behar sub-division, where cholera prevalent.	
		Behar " " "	89		
		Dinapore " " "	0.83		



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR—contd.			
PATNA DIV.—contd.	27 Gya, Sept. 20 '84	0.66	Weather—variable. Prospects of crops are very different in different places. <i>Bhadol</i> good or middling everywhere, except in part of Nawada, where everything is bad. Prospects of paddy bad, but vary much from east to west; best in south-west; worst in north-east. Sugarcane good generally. Health fair. Cholera and small-pox still reported.
	Aurangabad	5.63	
	Jehanabad	0.19	
	Nowada	0.78	
	28 Shahabad, „ 20 „	1.85	Weather—hot. More rain urgently needed for paddy crops. Harvesting of <i>Bhadol</i> is in progress.
	Bazar	1.41	
	29 Durbhanga, „ 20 „	1.13	Weather—hot; occasionally cloudy. <i>Bhadol</i> harvest nearly over. Prospects of paddy not cheering. Rain very badly wanted. A few sporadic cases of cholera reported from the west of Madhubani. Prices on the whole falling.
	Madhubani	1.67	
	Tajpur	2.20	
	30 Mozufferpore, „ 20 „	1.35	Weather—very close, with strong sun and a few showers. The rainfall has been insufficient for paddy crop, especially in Hajipore, where its prospects bad; towards the north of the district, the present condition of the crop is pretty good. <i>Bhadol</i> harvest is in progress, and will probably yield an average of 11 annas for the district. Public health fair.
	Hajipore	0.42	
Sitamarhi	2.63		
31 Saran, „ 20 „	1.27		
Saran	3.69	Weather—hot and sultry. <i>Bhadol</i> harvest progressing with fair outturn. Sugarcane and <i>rakar</i> doing well. In low “chura,” and where irrigation practicable, paddy doing fairly well, but on high lands prospects unpromising and dependent on further rain. “Chowmas” lands are being prepared for early <i>rubbee</i> sowings. Prices fallen slightly. Sporadic cases of cholera reported, otherwise public health good.	
Gopalgunge	1.40		
32 Champaran „ 20 „	2.18	Weather—hot. <i>Bhadol</i> harvest being reaped. Outturn is somewhat below the average yield. Prospects of <i>aghani</i> crops at present not unfavourable, but rain later on will be required to secure a fair outturn. Cases of fever and cholera reported.	
Bettiah	2.26		
33 Monghyr, Sept. 20 '84	1.04	Weather—first part of the week intensely hot and sultry; last two cooler days. The recent rain has been of much benefit, but more rain required. Prices rising. Public health good.	
Jamui	1.68		
34 Bhagulpore, „ 20 „	Nil	Weather—hot, with occasional clouds. <i>Bhadol</i> harvest almost over in south, but still going on in north with an estimated outturn of eight annas. Prospects of <i>aghani</i> paddy unfavourable throughout the district. Rain much needed everywhere. <i>Kurthi</i> is being sown. In the south sugarcane and <i>rakar</i> promising. Price of rice varies from 12 to 14 seers per rupee. General health on the whole good.	
35 Purneah, „ 20 „	0.70		
Kisengunge	0.94	Weather—very hot. Rain much needed. <i>Aghani</i> prospects getting bad. Fever increasing.	
Arrareah	2.52		
36 Maldah, „ „	.48	Weather—hot and bright. Owing to continued drought prospects of <i>kaimanti</i> paddy very unsatisfactory. Prices of food-grains stationary. Public health good.	
37 Sonthal Pergas. „ 20 „	1.99		
Dooghur	1.87	Weather—heavy showers of rain in many parts of the district during the week, but not general. On the whole an outturn slightly below the average may be looked for. In some parts of the district, notably the Damin, prospects good, but in others, such as North Godda, parts of Rajmehal and Deoghur, prospects not nearly so good.	
Godda	0.25		
Jamtara	2.98		
Pakour	.24		
ORISSA.			
ORISSA DIV.	38 Cuttack, Sept. 19 '84	.14	Weather—hot and cloudy. Cutting of <i>beali</i> crop nearly completed with an average outturn. <i>Sarad</i> growing well; those on the banks of river suffered to some extent from the late high flood. Price of rice stationary. Cholera prevalent in Banki; scattered cases in other places.
	39 Pooree, „ 18 „	1.73	
	Khorda	2.77	Weather—cloudy and rainy. Weeding and transplanting of paddy going on. Early <i>laghu</i> paddy in ear. <i>Beali</i> and <i>mandia</i> are being harvested. Miscellaneous crops doing well. There were floods in certain pergunas. Night damage is apprehended to crops on low land in those parts. Common rice selling at an average of 20 seers 4 chittacks in the Sudder sub-division; 21 seers 4 chittacks in the Khorda sub-division. Cholera reported from certain places.
40 Balasore „ 19 „	1.94		
CHOTA NAGPORE.			
South-West Frontier Agency.			
41 Hazaribagh, Sept. 19 '84	1.44	Weather—warm and close. <i>Bhadol</i> harvest continues. Prospects of paddy have not much improved. Cholera and small-pox still continue in certain police-stations, otherwise general health good.	
42 Lohardugga, „ 20 „	0.25		
Palamow (10th to 16th Sept.)	2.50	Weather—seasonable. Prospects of crops continue excellent. <i>Bhadol</i> crops being harvested with good results. Prices stationary. Public health good.	
43 Singbhoom, „ 18 „	3.25		
44 Manbhoom, „ 20 „	0.43	Weather—bright, sunny, and very hot; clouded occasionally. Early paddy and all rain crops yielded well. Prospects of late paddy continue favourable. Public health fair.	
Govindpore	0.43		
Barrabazar	Nil	Weather—warm. Little or no rain fell during the week. Autumn crops are turning out well; more rain wanted for winter paddy throughout the district. A few cases of small-pox reported from the Rajgunge and Nirsa outposts on the Grand Trunk Road. Rice selling at an average price of 16 seers per rupee.	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 23rd September 1884.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

		RETAIL SALE.—QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULWER MILLER CUMBOO, HAJRA.			GRANT MILLER— CHOLU JOWAR.								
Number.	DISTRICTS.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.																									
Western Districts.																									
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	14 8	16 0	14 8	22 0	23 8	25 0	12 0	11 0	17 8	14 4	14 0	24 12	...	...	...	...	...	...	...	...	...	...	...	
2	Bankura ...	15 0	16 0	13 0	16 0	16 0	16 0	12 0	12 8	20 0	14 8	15 0	23 0	...	...	...	...	...	...	...	...	...	...	...	
3	Poorbhoom ...	16 8	16 8	15 0	...	...	...	12 0	12 0	16 8	14 0	13 8	21 0	...	...	...	...	...	...	...	...	...	...	...	
4	Midnapore ...	12 0	12 0	13 0	20 0	20 0	17 0	18 0	14 0	18 0	18 0	13 0	24 0	...	...	...	...	...	...	...	...	...	...	...	
5	Hooghly ...	16 0	16 0	13 0	...	...	...	8 0	8 0	9 0	13 8	12 8	18 0	...	...	...	...	...	...	...	...	...	...	...	
	Howrah ...	14 8	14 0	13 4	...	...	...	11 4	11 8	14 0	13 4	13 4	19 0	...	...	...	...	...	...	...	...	...	...	...	
Central Districts.																									
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
	Calcutta ...	17 10	17 10	15 0	26 12	26 12	20 10	8 6	8 6	10 12	10 12	10 12	16 0	11 8	11 8	21 5	11 7	11 7	20 10	...	...	...	...	...	
6	24-Pargunnahs ...	14 0	14 0	13 6	17 8	17 8	16 0	8 0	8 0	8 0	14 8	13 6	14 8	...	...	...	...	...	...	...	...	...	...	...	
7	Nudda ...	16 0	16 0	14 8	20 0	20 0	23 15	11 3	11 6	14 8	13 0	12 4	17 4	...	...	...	...	...	...	...	...	...	...	...	
8	Khoolna ...	...	...	...	...	...	...	12 8	13 0	16 0	17 0	18 0	22 0	...	...	...	...	...	...	...	...	...	...	...	
9	Jessore ...	14 0	14 0	13 0	...	...	...	12 0	12 4	15 0	16 0	16 0	21 4	...	...	...	...	...	...	...	...	...	...	...	
10	Meerabad ...	18 8	18 0	16 0	...	...	...	10 0	11 0	15 0	18 0	18 0	22 0	...	...	...	...	...	...	...	...	...	...	...	
11	Dinapore ...	14 0	17 4	17 4	17 8	17 12	16 0	12 0	13 0	14 4	13 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	
12	Rajshahye ...	{ 16 8 to 19 3 }	19 4	15 4	24 0	26 4	29 0	{ 9 0 to 13 8 }	12 8	15 4	16 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	
13	Rangpore ...	18 0	20 0	13 6	...	...	...	9 6	9 10	13 5	11 10	13 0	19 0	...	...	...	...	...	...	...	...	...	...	...	
14	Bogra ...	16 2	16 8	24 0	...	...	...	9 12	9 12	12 12	13 8	15 0	21 12	...	...	...	...	...	...	...	...	...	...	...	
15	Patna ...	19 8	21 12	18 12	...	...	...	8 4	8 4	8 4	13 8	16 0	19 0	...	...	...	...	...	...	...	...	...	...	...	
16	Darjeeling ...	...	9 0	8 0	...	10 0	8 0	5 0	5 0	5 0	11 0	10 0	12 0	...	...	...	...	...	...	...	...	...	...	...	
17	Jalpigore ...	10 0	10 0	10 0	20 0	20 0	20 0	11 0	11 0	12 8	...	13 0	18 0	...	...	...	...	...	...	...	...	...	...	...	
Eastern Districts.																									
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
18	Dacca ...	16 0	16 0	13 6	23 0	23 0	22 10	11 10	13 0	17 0	14 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	
19	Farrakpore ...	20 0	20 0	21 0	24 0	24 0	20 0	13 0	14 0	20 0	18 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	
20	Backergunge ...	...	...	...	...	...	...	15 0	13 0	18 0	16 0	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...	
21	Mymensingh ...	12 0	12 0	11 8	...	...	...	10 0	12 4	13 4	13 8	16 0	19 0	...	...	...	...	...	...	...	...	...	...	...	

A In the sub-divisions the retail prices of salt per rupee were:—Culna 16 seers, Cutwa 12 seers, and Rangpore 13½ seers.

B In the interior the retail price of salt ranged from 11 to 16 seers per rupee.

C In the interior the retail price ranged from 11½ to 13½ seers per rupee.

D In the sub-divisions the retail prices of salt per rupee were:—Lontal 19½ and Ghatal 14½ seers.

E In the sub-divisions the retail prices of salt per rupee were:—Serampore 16 seers and Jessore 13½ seers.

F In the sub-divisions the retail prices of salt per rupee were:—Baraset 18 seers, Barackpore 12½ seers, and Dum Dum 12½ seers.

G In the sub-divisions the retail prices of salt per rupee were:—Koushtia 18 seers, Maherpore 12 seers, Choudanga 16 seers, and Managhat 12½ seers.

H In the sub-divisions the retail price of salt per rupee was:—Bakthia and Baghat 11 seers.

I In the sub-divisions the retail price of salt per rupee were:—Jhenidah and Naula 12 seers, Magurh 10½ seers and Bongong 13 seers.

J In the sub-divisions the retail price of salt per rupee were:—Lalugh 11 seers and Kandi and Jungpore 12 seers.

## Districts of Bengal for the Fortnight ending the 15th September 1884.

THE BEER OF 80 TOLAHS.

WHOLESALE PRICES  
PER MAUND OF  
40 SEERS

LESSER MILLETS— RAGI OR MURWA AND CHHUSA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			SALT.			DISTRICTS.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																		Western Districts.	
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\* New.

K The retail price of salt at Raigunge was 11½ seers and at Netpore 10 seers.

L In the sub-divisions the retail prices of salt per rupee were:—Nipshamari 12 seers and Gaibanda 13 seers.

M The retail price of salt at Seragunge was 13 seers per rupee.

N In the sub-divisions the retail prices of salt per rupee were:—Kusong 8 seers and Silliguri 10 seers.

O The retail price of salt at Patnabati in Alipur sub-division was 10 seers per rupee.

P In the sub-divisions the retail prices of salt per rupee were:—Manickgunge 12 seers, Moonshigunge 10 seers 10½ chittacks, and Naralingunge 13 seers.

Q In the sub-divisions the retail prices of salt per rupee were:—Goulundo 13 seers, and Madaripur 13 seers.

R In the sub-division the retail prices of salt per rupee were:—Purnapore 11 seers, Bhois 10 seers, and Patankhali 10½ seers.

S In the sub-divisions the retail prices of salt per rupee were:—Atia 12 seers, Jamalpur 11½ seers, Nourouna 13½ seers and Kishoregunge 10½ seers.

## PRICES-CURRENT of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	RETAIL SALE :—QUANTITIES PER RUPEE BY THE																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUL MILL— LUMBOO, HAJRA.			GRAT MILL— MOHOL JOWAR.								
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.
22	Chittagong	15 0	14 0	11 4	...	...	...	13 0	13 0	16 0	16 0	16 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
23	Noakholly	...	...	...	...	...	...	13 0	16 0	19 0	14 0	16 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah	13 5	13 5	12 14	...	...	...	12 12	12 10	18 0	16 0	17 6	25 12	...	...	...	...	...	...	...	...	...	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	13 5	13 0	16 0	16 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	12 0	12 0	10 0	...	...	...	12 0	12 0	16 0	14 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																									
26	Patna	21 0	20 0	21 0	25 0	22 0	29 0	11 4	11 4	15 0	12 0	13 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
27	Gya	18 0	17 0	17 8	21 0	20 0	21 0	9 0	9 8	12 0	11 4	12 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...
28	Shahabad	19 0	18 0	15 0 to 16 8	19 0	20 0	25 0	8 0	9 0	10 0	12 8	12 8	15 0 to 16 0	20 0	20 0	25 0	...	...	...	...	...	...	...	...	...
29	Darbhanga	17 9	17 0	16 0	20 15	19 6	...	9 15	9 6	12 0	13 3	11 9	15 0	...	...	...	...	...	...	...	...	...	...	...	...
30	Muzaffarpore	17 0	17 0	18 0	...	19 0	25 0	9 0	9 0	11 0	13 0	13 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...
31	Saran	19 0	18 0	16 0	25 0	21 0	27 0	8 0	8 0	10 0	12 0	12 0	14 8	...	...	...	...	...	...	...	...	...	...	...	...
32	Champaran	16 0	16 0	19 0	...	31 0	1 0	11 0	11 0	14 0	14 8	14 0	17 8	...	...	...	...	...	...	...	...	...	...	...	...
33	Mooghlyr	18 14	8 9	17 9	21 0	19 11	24 25	9 7	10 8	13 2	10 8	11 9	16 12	...	...	...	...	...	...	...	...	...	...	...	...
34	Bhagalpore	18 4	17 15	15 8	20 3	20 3	22 11	10 1	10 8	15 2	13 10	12 10	17 10	...	...	...	...	...	...	...	...	...	...	...	...
35	Parasah	16 0	17 0	18 0	...	...	...	12 0	13 0	16 0	13 0	14 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
36	Maidah	20 0	20 0	18 0	...	...	...	11 0	13 8	16 0	14 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
37	Southal Perga.	16 0	13 0	13 0	...	...	...	11 0	12 0	16 0	14 8	14 0	23 8	...	...	...	...	...	...	...	...	...	...	...	...
ORISSA.																									
38	Cuttack	18 6	18 6	11 12	...	...	...	13 2	13 2	13 2	18 6	18 6	21 0	...	...	...	...	...	...	...	...	...	...	...	...
39	Pooree	14 7	13 2	10 8	...	...	...	13 12	13 12	21 0	15 1	18 6	23 10	...	...	...	...	...	...	...	...	...	...	...	...
40	Balasore	16 0	17 0	16 0	11 0	11 0	...	13 0	13 0	16 0	19 0	20 0	28 0	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
41	Hannabagh	13 8	13 0	14 0	15 0	16 0	17 0	10 8	10 0	9 0	11 12	11 8	16 0	...	...	...	...	...	...	...	...	...	...	...	...
42	Lohardugga	12 0	12 0	16 0	...	...	...	12 0	12 0	12 0	16 0	16 0	22 0	...	...	...	...	...	...	...	...	...	...	...	...
43	Singbhoon	18 0	18 0	16 0	22 0	22 0	24 0	20 0	20 0	22 0	24 0	24 0	36 0	...	...	...	...	...	...	...	...	...	...	...	...
44	Munbhoon	13 0	13 0	18 0	...	...	...	13 0	13 0	16 0	19 0	18 0	26 0	...	...	...	...	...	...	...	...	...	...	...	...

- (a) In the interior the retail price of rice ranged from 17-1 to 26½ seers per rupee.  
 T The retail price of salt at Ona's Bazar was 7 seers per rupee.  
 U In the interior the retail price of salt ranged from 9 to 12½ seers per rupee.  
 V In the sub-divisions the retail prices of salt per rupee were:—Brammabarrah 13½ seers and Chandpota 12½ seers.  
 W The retail price of salt at Aurangabad was 11 seers per rupee.  
 X In the sub-divisions the retail prices of salt per rupee were:—Bhabhua 11 seers, and Buxar 12 seers.  
 Y In the sub-divisions the retail prices of salt per rupee were:—Bajpore 11½ seers, and Madhubani 11 seers.  
 Z In the interior the retail price of salt ranged from 11 to 12 seers per rupee.  
 Z In the sub-divisions the retail price of salt per rupee was:—Bawan and Gopalpore 12 seers.

BEER OF SO TOLAH.

BEER OF SO TOLAH.						A HOLL-SALE PRICE PER MAUND OF 60 SHEARS.		DISTRICTS.
LEASER MILLET - KAGO OR MURWA AND UGHENNA		MAISE OR INDIAN- CORN		GRAIN.	FIREWOOD.	SALT.	SALT.	
Present return.		Present return.		Present return.		Present return.		
Next preceding return.		Next preceding return.		Next preceding return.		Next preceding return.		
Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		
Present return.		Present return.		Present return.		Present return.		
Next preceding return		Next preceding return		Next preceding return.		Next preceding return.		
Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		
Present return.		Present return.		Present return.		Present return.		
Next preceding return.		Next preceding return.		Next preceding return.		Next preceding return.		
Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		Corresponding return of last year.		

**Eastern Districts.**—(Continued.)

[illegible]

**I.B.I.A.R.**

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24	0	22	8	20	0	28	8	21	0	18	0	21	0	20	0	160	0	160	0	160	0	11	0	11	0	11	0	3	3	3	3	3	4	Saran.
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ORISSA.

[illegible]

**CHOTA NAG-PORE.**  
*South-Western Frontier Agency.*

23 In the interior the retail price of salt ranged from 12 to 14 seers per rupee.

24 In the sub-division of Baguerat the total price of salt was 11 seers per rupee.

25 In the sub-division of Baguerat the retail prices of salt per rupee were—Bhanta 12½ seers, Madhupura 10½ seers, and Shoolpe 11 seers.

26 In the sub-division of Baguerat the retail prices of salt per rupee were—Kassengunge 10 seers and Kassengunge in Arerabad sub-division 12 seers.

27 In the sub-division of Baguerat the retail prices of salt per rupee were—Mooghor 11 seers, Goida 11 seers, and Hajmshai 12 seers.

28 In the sub-division of Baguerat the retail price of salt was 8 seers per rupee.

29 Two retail prices of salt at Bhudark was 8 seers per rupee.

30 The retail price of salt at Chistara was 11 seers and at Khargadha 1½ seers per rupee.

31 The retail price of salt at Chistara was 11 seers and at Khargadha 1½ seers per rupee.

32 In the sub-division of travimpore the retail price of salt was 11 seers per rupee.

Published for general information.

1. COLMAN MACAULAY.  
Secretary to the Govt. of Bengal.

## WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt in

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CAMBODI BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	2 4 0	2 4 0	2 11 0	1 8 0	1 8 0	1 15 0	4 14 0	4 14 0	3 12 0	3 11 0	3 11 0	2 8 0	2 8 0	2 8 0	1 14 0
2	Berajunge	2 4 0	1 15 0	1 13 0	...	...	...	4 10 0	4 8 0	3 12 0	3 6 0	...	2 2 0	...	...	...
3	Dacca	2 8 0	2 6 0	2 0 0	1 8 6	1 8 6	1 12 0	2 8 0	3 0 0	2 4 0	2 12 0	2 7 0	2 0 0	...	...	...
4	Narsingnaga	...	...	...	...	...	...	2 12 0	2 12 0	2 0 0	2 10 0	2 8 0	1 14 0	...	...	...
5	Chittagong	2 8 0	2 12 0	2 8 0	...	...	...	3 0 0	3 0 0	2 8 0	2 6 0	2 6 0	2 2 0	...	...	...
6	Patna	1 13 0	1 14 6	1 14 6	1 8 0	1 12 0	1 6 6	3 0 0	3 0 0	2 10 0	2 14 0	2 13 9	2 2 0	...	...	...
7	Balsore	2 2 0	2 2 0	2 8 0	2 2 0	2 2 0	...	3 0 0	3 0 0	2 3 0	1 15 0	1 14 0	1 4 0	...	...	...
8	Poorus	...	...	...	...	...	...	...	...	...	2 8 0	2 1 0	2 3 0	...	...	...
9	Cuttack	2 0 0	2 0 0	2 4 0	...	...	...	3 0 0	3 0 0	2 0 0	2 0 0	2 0 0	1 11 0	...	...	...

CALCUTTA,  
The 23rd September 1884.



*the undermentioned Marts of Bengal for the fortnight ending the 15th September 1884.*

OF 40 MARS.

GREAT VILLET— CHOLIS JOWAR			LARGE VILLET— RAGI OR MUMBA AND CHIKKA.			MAINS OR INDIAN- CORN.			GRAM.			FIRWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 9 03	3 9 01	1 15 0	...	...	...	1 12 01	1 14 01	1 13 01	1 12 01	1 12 01	2 0 6 90	4 90 63	2 11 03	11 82	12 0	Calcutta.		
...	...	...	...	...	...	...	...	...	2 10 0	2 8 02	60	...	...	0 60	2 15 0	...	3 0 0 Sorajung.	
...	...	...	...	...	...	...	...	...	2 80	2 2 02	40 0 6 00	7 00 70	3 0 03	0 03	40	...	Dacca.	
...	...	...	...	...	...	...	...	...	2 120	2 0 02	00 0 7 00	7 00 70	3 0 03	0 02	14 0	...	Narajung.	
...	...	...	...	...	...	...	...	...	2 120	2 12 03	90	...	0 40	...	4 12 04	12 04	0 0 Chittagong.	
...	...	...	...	...	...	1 4 01	7 61	4 01 96	1 13 01	7 00 5 00	5 00 50	3 2 03	2 03	00	...	...	Patna.	
...	...	...	...	...	...	...	...	...	2 70	2 7 02	80 0 6 00	6 00 40	3 8 03	6 04	20	...	Balasore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooros.	
...	...	...	...	...	...	...	...	...	1 11 0	1 11 02	00 0 8 00	8 00 80	2 12 02	12 09	12 0	...	Cuttack.	

Published for general information.

COLMAN MACAULAY,  
Secy. to the Govt. of Bengal.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													Average humidity at 10 A. M.	Average cloud amount at 10 A. M. for week.
			AIR PRESSURE.			WIND.		TEMPERATURE.									
			Mean barometric height, 10 A. M.	Mean reduced to sea-level.	Variation from mean.	Prevail. wind direction.	Mean wind velocity.	Highest during week.	Lowest during week.	Mean maximum temperature.	Mean minimum temperature.	Mean daily temperature.	Variation from normal mean of week.	Mean 10 A. M. temperature.			
CHITTAGONG.	Poorce ...	Gopalpore ...	29.723	29.773	-	NNE	206	87.0	79.8	86.3	80.4	83.3	-	83.9	81	6.0	
	Falce Point ...	...	29.740	29.781	-0.061	ENE	141	88.5	78.1	85.3	77.3	82.9	-0.5	85.0	79	6.1	
	Cuttack ...	Cuttack ...	29.670	29.757	+0.087	Calm & E	34	91.4	77.9	80.9	78.8	84.6	+0.5	86.2	73	8.0	
	Balasore ...	Balasore ...	29.709	29.767	-	ENE	44	86.4	75.7	84.4	77.4	82.0	-	83.9	70	6.6	
	South-West Midnapore ...	Bangor Island ...	29.753	29.779	+0.026	NE	174	89.7	77.0	86.0	78.3	83.1	-0.1	84.7	83	6.9	
SOUTH-WEST BENGAL.	South 24-Pargannas ...	Midnapore ...	29.631	29.781	-	NE	74.2	81.3	76.8	80.3	77.9	84.1	-	87.2	73	8.4	
	24-Pargannas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Howrah ...	Calcutta ...	29.761	29.781	+0.020	E & ESE	73	80.5	77.2	85.8	78.3	83.0	+0.2	83.3	63	7.0	
	Hooghly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Burdwan ...	Burdwan ...	29.692	29.792	+0.097	E & S	51	85.6	78.4	81.6	79.7	85.7	+1.0	86.8	71	6.6	
	Hankora ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Berhampur ...	Berhampur ...	29.659	-	-	SE & SW	74	83.0	73.9	81.4	77.7	84.6	-	86.0	73	4.4	
	West Burdwan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Moorshedabad ...	Berhampur ...	29.737	29.704	+0.033	SW & NE	71.0	83.2	77.3	81.7	79.1	85.4	+0.2	80.8	70	7.5	
	Nuddea ...	...	...	...	...	Observatory not started.											
EAST BENGAL.	Jessore ...	Jessore ...	29.765	29.708	+0.056	E	63	92.8	78.9	81.5	79.5	85.6	+1.3	82.5	79	9.0	
	Khosia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chittagong ...	Chittagong ...	29.721	29.810	-0.089	NE	55	88.1	76.0	81.0	76.1	81.7	-0.6	84.4	80	4.4	
	Chittagong Hill Tracts ...	Dynaziri ...	...	...	...	Observations not received.											
	Backergunge ...	Barisal ...	29.749	-	-	SE	53.5	87.1	78.9	83.0	77.0	81.0	-	83.2	83	6.1	
	Noakholly ...	Noakholly ...	29.782	29.825	-	Calm	49.0	89.5	75.3	87.8	78.4	82.3	-	83.8	81	6.0	
	Faridpur ...	Faridpur ...	29.701	-	-	E	53.0	80.5	70.0	89.4	77.3	83.3	-	80.5	77	6.1	
	Dacca ...	Dacca ...	29.708	29.788	+0.080	ENE	65	92.8	77.7	81.1	79.0	85.0	+1.0	87.7	70	6.9	
	Comilla ...	Comilla ...	29.734	29.700	-	SE	44.1	92.3	78.8	80.7	78.4	83.0	-	84.1	67	1.6	
	Mymensingh ...	Mymensingh ...	29.720	-	-	SE	120.7	92.8	79.1	80.4	77.0	83.2	-	81.6	79	7.1	
NORTH BENGAL.	Bogra and Pabna ...	Bogra ...	29.740	29.790	-	SE	55.3	82.0	75.7	80.5	77.8	84.1	-	85.6	80	8.6	
	Rajshahi ...	Rajshahi ...	29.740	29.790	-	S & E	50.3	91.6	76.0	85.0	77.2	89.2	-	85.8	73	6.1	
	Dhaka ...	Dhaka ...	29.617	29.700	-	SE	76.1	85.1	79.1	89.6	78.2	84.4	-	85.3	73	3.3	
	Rangpur ...	Rangpur ...	29.653	29.707	-	NE	50.3	93.3	78.1	81.4	77.2	81.3	-	86.0	80	5.0	
	Jalpaiguri ...	Jalpaiguri ...	29.590	29.787	-	SE	60.7	94.0	74.1	89.4	76.6	83.6	-	85.4	76	3.0	
	Cooch Behar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Darjeeling Hill Districts ...	Darjeeling ...	29.629	-	-	NE	61	99.1	83.1	86.7	84.0	89.0	-	84.2	88	5.3	
	Purulia ...	Purulia ...	29.600	29.780	+0.033	Calm	7.0	94.7	73.0	91.5	76.0	83.7	-0.9	87.8	77	6.4	
	North Bhagalpur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Bankura ...	Bankura ...	29.610	-	-	NNE	-	94.0	73.0	91.4	75.7	83.0	-	80.3	78	4.4	
SOUTH BENGAL.	Durbinanga ...	Durbinanga ...	29.631	29.729	-	NW	65	93.0	75.5	91.3	76.4	84.7	+0.3	84.0	80	6.5	
	Chumbarun ...	Mothari ...	29.655	29.785	-	ENE	109.4	86.6	76.8	92.0	75.7	83.5	-	80.9	71	4.1	
	Barua ...	Chupra ...	29.608	-	-	NE	29.0	93.0	73.0	90.3	77.1	83.7	-	86.0	78	4.7	
	Debra ...	Debra ...	29.425	29.760	-	ENE	136.0	88.4	74.0	86.8	76.9	81.0	-	85.6	76	4.0	
	Mahabud ...	Buzar ...	29.540	29.701	-	NW & Calm	33.3	92.4	71.3	87.0	77.1	82.1	-	80.3	77	6.0	
	Aras ...	Aras ...	29.371	29.767	-	Cal	9.0	93.4	72.7	91.7	77.5	84.6	-	80.6	75	4.7	
	Oya ...	Oya ...	29.388	29.754	-	Cal	7	90.7	76.5	93.1	77.5	85.6	+0.6	89.0	66	10.9	
	Paina ...	Bankipore ...	29.611	29.704	+0.061	NE	30	94.8	76.7	92.3	79.0	86.0	-0.3	86.0	77	5.4	
	South Bhagalpur ...	Bhagalpur ...	29.613	29.774	-	Calm	60	90.0	70.0	93.0	76.2	80.6	-	83.3	66	1.4	
	Monghyr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
UPPER NAGPUR.	South Pargannas ...	Boonma ...	29.387	-	-	ENE	110.4	93.1	74.3	89.7	76.3	83.5	-	80.7	84	1.3	
	Hasaribaga ...	Hasaribaga ...	27.790	29.784	+0.020	S & E	111	87.0	71.7	86.1	74.4	79.3	+0.4	80.3	79	9.0	
	Lohardugga ...	Kanungo ...	27.044	29.768	-	-	-	80.3	70.0	91.7	79.0	77.7	-	80.3	78	5.3	
	Asanbhoom ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
SOUTH BENGAL.	Asanbhoom ...	Chyabhadra ...	27.007	-	-	NE	41.5	94.0	76.2	89.0	76.0	82.8	-	84.6	77	4.7	

\* Mean for six days.

*Explanation.—Summary.*—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of the numerical means or averages of the rainfall at that district determined from the returns sent in by the subdivisions from the district (p. 2), the total rainfall at the subdivisions stations in the district sent in returns divided by the number of stations. A rainy

for the week ending Friday, the 19th September 1884.

Rainfall of week at observing stations.	DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
	RAINFALL.												
	Of week.		Since 1st of month.			Since 15th May.			Average number of rainy days.	Normal number of rainy days.			
	Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.					
3.30	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	URUGA.
1.46	1.41	2.10	9.01	7.54	+1.47	36.91	44.33	-7.41	2.3	4.3	Paina Point	...	
0.21	1.13	2.02	7.06	6.67	+0.39	37.67	42.14	-4.46	4.0	3.7	Cuttack	...	
2.30	1.75	3.09	7.27	7.68	-0.41	43.31	41.43	+0.12	3.1	3.6	Balasore	...	URUGA.
3.40	1.18	1.73	7.74	7.89	-0.15	50.36	49.83	+0.53	2.0	3.4	Saugor Island	South-West Midnapore	
1.41	0.60	1.46	5.40	5.15	+0.34	36.01	42.27	-6.26	1.7	2.9	Midnapore	South 24-Pergunnahs	
Nil	0.26	1.35	7.03	5.84	+1.19	40.77	43.22	-2.45	1.3	3.0	Calcutta	24-Pergunnahs	SOUTH-WEST BENGAL.
0.12	0.22	1.25	6.07	4.92	+1.15	36.16	39.96	-3.80	1.7	3.6	Hurdwan	Howrah	
0.10	0.26	1.39	5.59	5.75	-0.16	30.30	44.23	-13.93	1.0	3.1	Ranigunge	Roughly	
0.16	0.63	1.79	3.72	0.70	-3.04	27.98	41.56	-13.58	1.7	3.0	Berhampore	Burdwan	SOUTH-WEST BENGAL.
0.42	1.26	4.37	4.56	-0.30	29.38	41.54	-12.16	1.5	3.4	...	Bankura		
0.10	0.63	1.41	10.16	5.41	+4.75	44.34	45.63	-0.29	1.4	2.8	Jessore	Hooghly	
0.31	0.70	2.17	14.79	9.20	+5.59	90.57	98.67	-8.10	2.0	3.7	Chittagong	Naldia	SOUTH-WEST BENGAL.
1.28	2.36	0.20	8.44	-2.13	50.38	71.22	-20.84	3.0	4.6	Demagiri	Jessore		
2.43	1.66	8.96	7.02	+1.92	60.60	65.37	-4.77	3.8	4.1	Barrisal	Khoulia		
3.66	3.25	10.45	11.45	-1.03	73.87	94.10	-20.23	4.0	4.7	Noakhully	Chittagong Hill Tracts	SOUTH-WEST BENGAL.	
0.47	1.15	1.37	0.21	5.70	+5.49	34.98	47.63	-12.65	2.7	3.6	Furzedpore		Backergunge
1.21	1.23	1.29	0.71	6.69	-5.98	40.65	61.20	-20.55	3.0	2.6	Dacca		Noakhully
1.37	1.27	2.10	6.28	7.19	-0.90	32.61	60.29	-27.68	2.0	3.3	Commillah	Furzedpore	SOUTH-WEST BENGAL.
1.31	0.68	2.24	2.78	7.04	-4.26	40.18	57.57	-17.39	1.5	3.4	Mymensingh	Dacca	
0.24	1.33	1.63	5.37	4.58	+0.79	31.32	40.47	-9.15	2.2	3.4	Serajgunge	Commillah	SOUTH-WEST BENGAL.
0.25	0.23	1.66	2.40	7.03	-4.63	27.64	43.01	-15.37	1.3	3.7	Rainpore Beaulah	Mymensingh	
0.28	1.41	2.32	2.54	7.40	-4.86	33.76	49.08	-15.32	2.0	3.9	Dinapore	Bogra and Pabna	SOUTH-WEST BENGAL.
4.71	2.62	2.23	6.33	6.48	-0.15	42.01	61.67	-19.66	2.3	2.7	Rangpore	Rajshahye	
0.73	2.15	0.33	3.67	14.83	-11.16	32.03	90.17	-58.14	1.4	4.3	Jalpigoree	Dinapore	SOUTH-WEST BENGAL.
0.97	5.62	—	17.16	—	—	134.38	—	—	—	4.9	Darjeeling	Rangpore	
0.70	0.98	2.76	1.81	5.28	-3.47	34.71	49.90	-15.19	2.3	2.6	Purneah	Jalpigoree	SOUTH-WEST BENGAL.
0.87	1.31	1.23	2.25	5.31	-3.07	34.33	35.73	-1.40	2.7	2.3	Durbhunga	Cooch Behar	
1.01	1.93	1.22	2.00	4.36	-2.36	31.77	36.33	-4.56	2.3	3.1	Mothari	Darjeeling Hill Districts	SOUTH-WEST BENGAL.
1.61	2.04	1.29	3.61	4.78	-1.17	24.65	24.05	+0.60	2.0	3.3	Chupra	Purneah	
0.77	2.11	1.13	3.24	4.29	-1.05	22.63	33.54	-10.91	2.5	2.3	Buxar	North Bhagalpore	SOUTH-WEST BENGAL.
1.67	1.13	1.13	3.24	4.29	-1.05	22.63	33.54	-10.71	2.5	2.3	Dohree	Mosufferpore	
2.34	—	—	—	—	—	—	—	—	—	—	Arten	Durbhunga	SOUTH-WEST BENGAL.
0.46	1.71	0.79	3.56	3.69	-0.13	22.44	24.43	-1.99	2.3	1.6	Gya	Chumpran	
0.17	0.47	1.06	0.60	4.24	-3.64	20.78	33.43	-12.65	2.3	2.1	Banspore	Saryn	SOUTH-WEST BENGAL.
0.10	0.74	1.06	1.74	4.85	-3.11	24.10	36.00	-11.90	1.0	2.3	Bhagulpore	South Bhagalpore	
1.74	1.27	1.99	3.13	6.46	-3.33	25.56	42.24	-16.68	1.0	2.7	Dumna	Monghyr	SOUTH-WEST BENGAL.
1.76	1.46	—	5.29	—	—	40.00	—	—	—	3.6	Hasaribagh	Soninal Pergunnahs	
1.91	1.06	1.44	5.73	5.63	+0.10	30.70	41.46	-10.76	2.3	3.0	Maner	Loweraungga	
2.94	3.41	1.79	6.02	6.41	+0.39	38.39	45.71	-6.32	2.0	4.1	Unyomasa	Manaboom	SOUTH-WEST BENGAL.

period for the past one year. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater by 10. The number denoting cloud amount represent the part of the sky covered, the whole sky being denoted by 10. Under the head "district observations" for the period in question during the past 12 years. The means for the "district" are the numerical average of the rainfall returns recorded day is one on which at least an hundredth of an inch fell.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 19th September 1884.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rainfall from 1st to 19th September 1884.	Average total rainfall from 1st to 19th September.	Total rainfall since 1st May 1883.	Average rainfall from 1st May to date.
			Saturday, 15th September.	Sunday, 16th September.	Monday, 17th September.	Tuesday, 18th September.	Wednesday, 19th September.	Thursday, 20th September.	Friday, 21st September.	Number of rainy days.	of Rainfall weeks.				
CHITTAGONG.	Purbo.	Purbo	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Khurda	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Banpur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Fake Point	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Hookola	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Outbank.	Jagatsingapore	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Banki	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Outbank	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Kendrapara	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Jajpore	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Balasore.	Chandball	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bluddrak	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Sorah	0.10	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Balasore	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Jellapore	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
NORTH-WEST BENGAL.	Midnapore.	Contai	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Sankar Island	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Tamluk	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Medinipur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chital	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	24 Pergunnahs.	Diamond Har-	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		bour.	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Alipore Jail	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Barrackpore	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Dum-Dum	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Howrah.	Howrah	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Mosque	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chandpur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Sankar	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Howrah	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Haldia.	Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
SOUTH-WEST BENGAL.	Bardhaman.	Bardhaman	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bardhaman	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bardhaman	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bardhaman	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bardhaman	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Bankura.	Bankura	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bankura	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bankura	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bankura	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bankura	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Bishnupur.	Bishnupur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bishnupur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bishnupur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bishnupur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Bishnupur	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
SOUTH-EAST BENGAL.	Chittagong.	Chittagong	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Chittagong Hill Tracts.	Chittagong Hill Tracts	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong Hill Tracts	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong Hill Tracts	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong Hill Tracts	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Chittagong Hill Tracts	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Haldia.	Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Haldia	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
	Kolkata.	Kolkata	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Kolkata	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Kolkata	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Kolkata	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13
		Kolkata	0.04	0.15	0.24	0.13	0.70	0.25	0.63	4	2.60	13.01	0.69	29.00	38.13

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 19th September 1884—concluded.

Meteorological division.	District.	Station.	RAINFALL.							Total.		Total rain-fall from 1st to 19th September 1884.	Average total rain-fall from 1st to 19th September.	Total rain-fall since 15th May 1884.	Average rainfall from 15th May to date.
			Saturday, 13th September.	Sunday, 14th September.	Monday, 15th September.	Tuesday, 16th September.	Wednesday, 17th September.	Thursday, 18th September.	Friday, 19th September.	Number of rainy days.	of Rainfall week.				
NORTH-BENGAL.	Pabna	Pabna	0'11	0'10				1'00	0'06	3	1'22	6'03	5'97	35'54	44'81
		Beragunge	0'10						0'81	3	0'91	2'41	5'95	30'50	44'43
	Bogra	Bherpore	0'70						1'13	3	1'83	1'90	5'29	30'73	51'79
		Norkhilla	0'09						0'85	3	0'90	2'05	4'39	33'10	51'73
		Panchbibi	1'71	1'00					0'60	3	3'31	3'83	5'90	34'00	52'13
	Rajshahi	Beaulah	0'03					0'17	0'03	3	0'21	4'30	6'43	37'05	62'01
		Nattora	0'21	1'00					0'64	3	1'85	2'47	7'21	39'39	45'41
	Maidah	Maidah		0'48						1	0'48	0'61	7'45	25'43	48'37
		Mohadehpore	3'29	0'63					0'37	3	4'29	5'10	5'84	29'75	52'10
	Dinagore	Churamon		0'07	0'26			0'80		1	0'80	2'14	10'04	37'84	61'10
		Rangunge			0'18				0'06	2	0'24	1'08	7'39	34'79	60'11
		Haloorgah		0'07	0'19				0'07	3	1'23	1'43	7'39	34'07	63'01
		Bhawungunge (Uyahanda)	3'00		0'50					2	3'50	4'01	7'04	40'80	62'80
	Rangpore	Rangpore	0'29	4'09	0'54					3	4'94	6'25	9'41	40'74	64'13
		Kurigram	0'23							1	0'23	2'38	7'23	40'78	63'20
		Nalpari	0'94	1'02	0'38					3	2'34	4'35	9'59	39'07	74'84
	Jalpigore	Jalpigore	0'46			0'46				2	0'90	3'51	16'00	93'72	101'33
		Dinhatia	2'12							1	2'12	3'00	14'90	69'08	80'10
	Cooch Behar	Cooch Behar	4'03							1	4'03	5'13	14'67	103'19	103'70
		Mekligunge	1'02	0'14						3	1'76	4'29	12'60	70'03	97'03
		Matabhanga	1'33							1	1'33	3'37	15'55	73'40	107'84
	Darjeeling Hill.	Roxa	0'21	0'04	0'29					3	0'54	2'63	23'23	119'46	176'09
		Kailash	0'17	0'79	0'23	0'16				4	1'34	2'99	13'07	74'91	94'72
		Katimpore						0'16		1	0'16	2'11	7	52'16	7
NORTH-BENGAL.	Purnea	Kisengunge	0'73			0'18			0'07	3	0'98	1'90	8'18	54'75	59'63
		Arrarah	1'30	0'58		0'44				3	2'32	3'23	9'61	64'63	64'01
		Purnea	0'15	0'23		0'30				3	0'70	10'73	10'73	23'02	23'02
	North Bhagalpore.	Maddapore		0'36		0'31				2	0'69	1'35	6'08	26'16	61'00
		Souppol								Nil	Nil	1'47	6'53	19'74	62'99
	Durbhanga	Tajpore			1'53	0'10			0'30	3	2'53	3'78	4'07	25'33	34'77
		Durbhanga			0'09	0'02			0'12	3	1'11	2'14	6'00	18'03	33'09
		Madhubani	0'23		1'39					3	1'67	2'62	6'74	37'03	37'03
	Mougaipore	Shamarihi			0'71	0'35				2	1'06	3'04	4'67	37'43	53'74
		Mougaipore		0'05	0'16	0'80			0'33	4	1'30	2'03	5'65	32'40	50'01
		Hijpore	0'33			0'00				2	0'43	0'75	4'13	26'03	33'77
	Chumpra	Motihari			1'17	1'01				2	2'18	3'45	4'57	31'02	34'68
		Betiah	1'00		0'13	1'16				3	2'29	2'68	4'30	32'00	60'15
	Baran	Gopalgunge			0'05	1'35				2	1'40	1'70	4'31	31'90	33'30
		Baran	0'09	0'09		2'02			0'11	4	3'30	4'14	5'16	32'06	35'76
		Chuprah	0'15	1'00						2	1'17	1'80	4'36	27'23	28'40
SOUTH-BENGAL.	Shahabad	Bugar		0'45		0'03			0'19	2	1'23	2'14	4'46	30'41	31'61
		Deuro	0'09	0'04		0'57				3	1'00	1'96	7	32'07	7
		Shuboch	1'60			2'20			0'20	3	3'00	4'05	4'34	33'31	34'74
		Sasaram	0'17			1'50				2	1'07	7'42	4'33	30'05	34'01
	Gya	Arrah	0'05	0'08		0'40				3	1'35	3'37	6'01	30'76	33'78
		Aurangabad	0'36	0'11		0'11	0'13		0'36	5	2'37	5'09	4'37	34'03	34'91
		Gya	0'06	0'10						3	0'06	1'31	3'05	30'19	33'33
	Patna	Nowadah		0'79						1	0'79	1'56	3'89	16'42	24'54
		Jehanabad							0'13	1	0'13	0'68	2'83	19'10	23'79
		Patna				0'17			0'05	2	0'19	0'29	4'31	31'25	31'68
	Monghyr	Dinapore		0'63					0'10	2	0'73	0'82	4'09	28'59	31'38
		Behar	0'08	0'12	0'00				0'05	4	0'30	1'31	4'10	13'43	24'60
		Barh		0'10						1	0'10	0'16	4'64	18'76	33'25
SOUTH-BENGAL.	South Bhagalpore.	Begoorah				0'29			0'75	Nil	Nil	0'43	4'33	19'04	33'08
		Monghyr								2	1'04	1'57	5'46	34'04	39'50
	South Bhagalpore.	Jamui		1'33	0'21					2	1'53	2'09	4'07	31'45	36'35
		Bausa		1'16						Nil	Nil	0'36	5'04	30'00	34'08
	Sonthal Pergunnah.	Bausa								1	1'16	1'87	4'43	16'44	26'29
		Rajmehal								Nil	Nil	1'04	7'66	36'13	41'60
		Gucha			0'18	0'07				2	0'25	0'82	5'90	17'53	20'01
	Sonthal Pergunnah.	Pakur							0'34	1	0'34	2'09	5'41	25'29	41'74
		Nya Broomha							1'43	2	1'43	4'68	6'08	23'23	40'07
		Deoghar	1'54			0'21			0'03	4	2'05	3'39	6'02	33'10	41'39
	Sonthal Pergunnah.	Jamui	1'01					1'07	0'09	3	2'07	5'15	6'32	30'01	60'34
SOUTH-BENGAL.	Hazaribagh	Pachamba	0'40	0'01	0'13			1'21		4	1'74	6'90	5'06	33'96	40'14
		Hazaribagh								2	1'04	1'57	5'46	34'04	39'50
		Bansgaon								2	1'04	1'57	5'46	34'04	39'50
	Lohardugga	Lohardugga	1'33	0'88	0'07			0'14	0'07	5	2'46	7'23	7	34'97	7
		Lohardugga	0'14					0'03	0'05	3	0'20	7'40	6'07	41'02	41'01
	Singbhoon	Pannow		2'00		0'00				2	2'00	6'08	8'05	36'30	36'30
SOUTH-BENGAL.	Manbhoon	Chyotama		5'13		0'13			0'16	3	5'41	8'08	6'41	35'09	45'61
		Purnia	0'45	0'30				0'08	0'09	4	1'01	2'20	5'23	33'33	43'08

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If some of the returns are missing, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 23rd September 1884.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL DURING THE WEEK ENDING THE 19TH SEPTEMBER 1884.**

An almost complete break in the rains was established over the greater part of the Province at the end of the last week under review. Little or no rain fell in Orissa, South-West Bengal, and East Bengal during the first three or four days of the past week. There was very slight atmospheric disturbance in Behar and North Bengal at the commencement of the week, which was shown most distinctly on the 15th by the occurrence of westerly winds over the greater portion of Behar. It is hence probable that the Bombay branch of the monsoon current, which has given very abundant rain over the North-West Provinces, extended its influence at that time into Chutia Nagpur and Behar. Fairly general and moderate rain occurred over the whole of Behar, excepting the Sonthal Pergunnahs and South Bhagulpore, between the 13th and 16th. It was characterized by considerable irregularity in its distribution, one of the most prominent features of a weak monsoon in Bengal.

The most northern districts of North Bengal received local and heavy rainfall on the 13th, and a few very local, and in some cases heavy, showers on the 14th and 15th. A depression commenced to form in the Bay on the 15th, which influenced the weather in the Province very unfavourably during the remainder of the week. It developed very slowly, and did not accumulate into a large or intense depression, or atmospheric whirl. It was apparently generated near the Arracan coast, and moved slowly westwards. It was not far from the Ganjam coast on the morning of the 19th. The centre advanced across the coast between Gopalpore and Vizagapatam on the morning of the 21st, and it has since crossed into the Central Provinces, where it is filling up. The indraught to it from the north cleared the skies over the greater part of the interior, and intensified the break in the rains over the whole of Behar, North and Central Bengal. East Bengal and Orissa have, on the other hand, received rain from its action. Showers giving small to moderate amounts of rain consequently occurred over the whole of Orissa and East Bengal excluding Mymensingh, and in the most southerly and easterly parts of South-West Bengal between the 16th and 19th.

In consequence of the prevalence of two opposite sets of conditions, every part of the Province has received moderate rainfall during the week, but the amounts received are generally below the average.

South Behar received the normal rainfall of the week: North Behar obtained 79 per cent., East Bengal 75 per cent., North Bengal 57 per cent., Orissa 50 per cent., and South-West Bengal 32 per cent. The rainfall of the week was most deficient in the Burdwan, Bankoora, Beerbhoom, Howrah and Hooghly districts, and the 24-Pergunnahs, all of which received slightly less than 20 per cent. of the normal or mean rainfall of the week. The district rainfall returns on the whole indicate that, although the rainfall of the week has been irregular in its distribution, it has occurred most abundantly in those districts which received the least amounts of rain during the first twelve days of September, and *vice versa*.

Pressure at the commencement of the week under review was generally above the normal, more especially in North Behar and North Bengal. It gave way on the 13th, 14th and 15th. The decrease of pressure was on the 14th and 15th accompanied by westerly winds over the greater portion of Behar. They were replaced by normal easterly winds on the 16th. At the same time winds began to draw round to north-east in South Bengal and Orissa, indicating the formation of a barometric depression in the Bay. Pressure increased in Bengal, except in the south-eastern districts, on the 16th, but began to give way generally on the 17th. The fall of the barometer on the 18th and 19th was greatest in Orissa and the adjacent districts of South-West Bengal. The depression in the Bay was very clearly marked on the morning of the 19th, when it was between Arracan and the Ganjam coast, and the centre was moving westwards to the coast between Gopalpore and Vizagapatam. The mean pressure of the week was above the normal at all the reporting stations except Chittagong and False Point. The excess increased generally in amount northwards and eastwards, and was greatest at Patna, for which it was '04'.

Temperature—Was considerably above the average at the commencement of the week, as a general break in the rains then obtained. The occurrence of fairly general rain in Behar on the 15th and 16th diminished temperature very considerably in that area. The mean temperature of the 15th in Behar was from 1° to 2° below the normal. The formation of the depression in the Bay, which commenced on the 16th, intensified the break in the rains, and temperature hence increased rapidly in Behar, and more slowly in Bengal, during the remainder of the week. Unusually high maximum temperatures were recorded on the 18th and 19th in Behar and North Bengal. The following are the highest:—

Arrah	...	...	...	...	98.4° on the 19th.
Gya	...	...	...	...	96.7° " " 13th.
Bhagulpore	...	...	...	...	95.9° " " 19th.
Motihari	...	...	...	...	95.6° ditto.
Rungpore	...	...	...	...	95.3° ditto.
Dinagpore	...	...	...	...	95.1° ditto.

The mean temperature of the week varied slightly from the normal, and was about  $\frac{1}{2}$ ° above it over the whole Province.



**Winds.**—The chief features in the air motion during the week were, first, the prevalence, for a brief period on the 14th and 15th, of westerly winds accompanied with rain in Behar; and secondly, the establishment of north-easterly winds over the Bengal and Orissa coasts on the 16th, and their increasing influence during the remainder of the week. Winds in the interior during the second period were fairly normal in direction, but they diminished in strength and became more unsteady in character, and at the end of the week exceedingly light easterly winds or calms obtained over the whole of Behar and Central Bengal.

**Rainfall.**—The rainfall of the past week has been generally below the average, but to a much smaller extent than was the case during the preceding week. It was also sporadic in character and very irregular in distribution.

Rain occurred in the northern districts of North Bengal, and locally in portions of West Behar, on the 13th. Cooch Behar received 4.63 inches, Aurangabad (in the Gya district) 4.56 inches, and Mohadebpore (in the Dinagepore district) 3.28 inches.

Local showers fell in North Bengal on the 14th and fairly general rain over the greater part of Behar and Chutia Nagpur. The largest falls were 4.09 inches at Rungpore, and 3.12 inches at Chyebassa.

Local showers again occurred on the 15th, more especially in Orissa and North Bengal. North Behar and the Shahabad district of South Behar received fairly general and moderately heavy rain on the 16th. The largest amounts registered were 2.62 inches at Sewan, and 2.2 inches at Bhahooah in the Sasseram district. On the 17th local showers of some importance fell in Orissa and the Midnapore district, and in the Backergunj and Noakhally districts of East Bengal. The rainfall extended over a larger area in East Bengal on the 18th, and gave moderate amounts to all the districts in East Bengal, except Mymensingh, on that day.

Rainfall occurred over a much larger area on the 19th, but in smaller amounts. Orissa, East Bengal, Bogra, and Pubna in North Bengal, and Chutia Nagpur received light to moderate rain during the day.

The rainfall of the week was in excess in the Gya, Singbhoom, Sarun, Shahabad, Backergunj, Chumparun, Rungpore, Noakhally and Dacca districts. The excess was greatest in the three first-named districts, which received twice the normal amount of the week.

The Durbhunga, Bogra, Pubna and Furreedpore districts received between 90 and 80 per cent. of the normal; Manbhoom and Bhagulpore between 80 and 70 per cent.; the Sonthal Pergunnahs, Comillah and Dinagepore between 70 and 60 per cent.; Balasore, Pooree, Cuttack, Jessore and Khulna between 57 and 40 per cent.; Midnapore, Moorshedabad, Nuddea, Mymensingh, Chittagong, Julpigoree and Purneah between 40 and 30 per cent. The 24-Pergunnahs, Howrah, Hooghly, Burdwan, Bankoora and Beerbhoom received barely 20 per cent., and Rajshahye 14 per cent. of the normal rainfall of the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 19th September 1884:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest recorded during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	91.6	75.7	83.3	78.6	83.4	+0.2	1.47	2.01	-1.44	3.4	2.8	-0.6	7.76	7.33	40.08	43.30
South-West Bengal	93.6	73.0	80.6	78.0	84.6	+0.2	0.46	1.45	-0.99	1.8	3.3	-1.7	6.34	5.76	36.86	43.26
East Bengal	92.3	72.3	83.8	77.1	83.9	+0.2	1.50	1.94	-0.44	2.7	3.4	-0.7	7.59	7.60	53.11	64.90
North Bengal	95.3	73.1	80.1	77.8	83.7	-	1.68	2.93	-1.27	1.8	3.3	-1.4	3.42	6.77	45.37	62.18
North Behar	93.0	70.8	81.3	76.6	83.0	-0.3	1.48	1.84	-0.40	2.0	2.4	+0.1	2.27	5.08	29.33	40.07
South Behar	95.4	71.3	80.8	77.6	84.2	+0.3	1.21	1.35	-0.01	2.0	2.3	-0.3	3.15	4.81	23.30	36.00
Chutia Nagpur	87.0*	70.0*	85.4*	71.3*	78.5*	+0.4*	-	1.45	-	-	2.3	-	-	5.57	-	41.47

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

JOHN ELIOT,

The 22nd September 1884.

Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Alipore Observatory from  
14th to 20th September 1884.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 55° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1884.		☉		Inches.	☉	☉	☉	☉	☉	Inches.	☉	%.			Inches.	
Sept.	14th	154.0	9.3	29.717	83.9	88.7	10.6	78.3	79.5	0.949	77.8	89	S, S.W. and calm...	49	Nil.	Partially cloudy, ☉.
"	15th	151.1	11.2	.085	84.0	89.0	11.6	77.4	78.8	.918	78.6	80	K by S, S by E and calm.	60	"	Partially cloudy t, lr, ☉.
"	16th	158.3	11.3	.701	84.3	89.3	11.1	78.3	79.5	.947	77.8	81	ESE and calm	65	"	Partially cloudy, ☉.
"	17th	148.8	8.4	.710	83.9	89.4	10.4	79.0	79.8	.966	78.3	84	K by S and calm	63	"	Chiefly cloudy, ☉.
"	18th	145.3	6.3	.681	83.8	88.5	9.3	79.3	79.9	.964	78.1	83	ESE, calm and variable.	90	"	Chiefly cloudy, ☉.
"	19th	151.5	3.3	.679	83.0	89.3	7.6	78.8	78.2	.912	76.4	83	ESE and E	165	"	Chiefly cloudy.
"	20th	154.3	4.0	.666	83.1	89.4	11.7	77.7	78.9	.949	77.6	87	E, S by W and calm	70	"	Chiefly cloudy, t.

The mean pressure of the seven days ... 29.691

The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.679

The total number of hours of bright sunshine ... 54.4

The maximum possible number of hours of sunshine ... 85.4

The mean temperature of the seven days ... 83.4

The average temperature of the corresponding period for 24 years, S. G.'s Office ... 83.3

The extreme variation of temperature ... 12.0

The maximum temperature ... 89.4

The highest velocity of the wind in one hour ... 15

The highest pressure of wind on one square foot ... Not measurable.

The mean relative humidity ... 83

The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 86

The total fall of rain from 14th to 20th September 1884 ... Nil

The average fall of the corresponding period for 24 years, S. G.'s Office ... 2.31

The total fall from 1st January to 20th September 1884 ... 53.90

The average fall of the corresponding period for 24 years, S. G.'s Office ... 55.95

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.  
t thunder, lr lightning reflection, ☉ dew.

JOHN ELIOT,

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 22nd September 1884.

for Meteorological Reporter to the Government of India.

Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 14th to 20th September 1884.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1884.		°	°	°	°	°	Inches.	°	%	Inches.
September	14th	84.9	92.1	12.8	79.3	80.6	.983	78.7	81	Nil
"	15th	83.8	91.8	14.0	77.3	78.8	.919	76.7	79	0.07
"	16th	85.3	92.0	13.0	79.0	79.7	.941	77.4	78	Nil
"	17th	85.3	91.3	13.4	78.3	80.3	.968	78.4	79	"
"	18th	83.7	90.3	11.4	78.3	80.3	.985	78.8	86	"
"	19th	82.1	87.7	8.9	78.8	78.1	.909	76.4	83	"
"	20th	81.7	91.6	13.6	78.0	79.4	.974	78.4	90	"

The mean temperature of the seven days ... 83.8

The extreme variation of temperature ... 14.3

The maximum temperature ... 92.1

The mean relative humidity ... 82

The total fall of rain from 14th to 20th September 1884 ... 0.07

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,  
Calcutta, the 22nd September 1884.

JOHN ELIOT,  
For Meteorological Reporter to the Govt. of India.

## MEMORANDA.

The first class Municipalities in Bengal presented, during the week ending 6th September 1884, the mean birth and death-rates of 19.6 and 26.5 per 1,000 of population, against 22.8 and 29.8 per 1,000, respectively, during the preceding week ending 30th August, indicating a great reduction in the registration of both events.

2. The highest birth and death-rates were returned from the following Municipalities:—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Gya	...	...	33.5	Gya	...	...	57.4
Bhagulpore	...	...	31.7	Jessore	...	...	36.7
Beaulah	...	...	28.9	Chupra	...	...	35.2
				Poori	...	...	34.3
				Darjiling	...	...	32.6
				Patna	...	...	30.8
				Mozufferpore	...	...	30.4
				Ranaghat	...	...	30.0
				Suburbs of Calcutta	...	...	29.0
				Hughli	...	...	28.2

3. The mortality from the several death-causes, exhibited in the table above referred to, was as follows, in comparison with that in the preceding week:—

				Ratio per mille during the weeks ending—	
				6th September 1884.	30th August 1884.
Cholera	...	...	...	1.8	3.1
Small-pox	...	...	...	2	1
Fever	...	...	...	12.1	12.5
Bowel-complaints	...	...	...	4.2	4.5
Injury	...	...	...	5	6
Other causes	...	...	...	7.9	8.9

exhibiting a sensible decline in fatal results from cholera and the diseases recorded under the head of "Other causes," and no material difference in the casualty rates from the other specified diseases.

4. Excluding small-pox, the mortality from which was nowhere high, the rest of the death-causes proved most fatal to life in the Municipalities named below:—

Cholera.				Fever.				Bowel-complaints.			
			Ratio per mille.				Ratio per mille.				Ratio per mille.
Chupra	...	...	9.8	Jessore	...	...	30.6	Durbhanga	...	...	7.8
Arrah	...	...	5.0	Gya	...	...	26.6	Midnapore	...	...	7.7
Gya	...	...	3.4	Ranaghat	...	...	24.0	Patna	...	...	7.1
Dacca	...	...	2.6								
Suburbs of Calcutta	...	...	2.1								

  

Injury.				Other causes.			
			Ratio per mille.				Ratio per mille.
Gya	...	...	4.1	Poori	...	...	10.3
				Gya	...	...	17.8
				Naraingunge	...	...	16.6
				Dacca	...	...	12.3
				Suburbs of Calcutta	...	...	10.1
				Patna	...	...	9.7
				Chupra	...	...	8.8

5. The mortality referable to Sex, Class and Age stands as follows:—

According to Sex.				According to Class.				According to Age.			
			Ratio per mille.				Ratio per mille.				Ratio per mille.
Males	...	...	27.5	Christians	...	...	21.7	Under 1 year	...	...	265.9
Females	...	...	25.4	Hindus	...	...	26.7	1 and under 5 years	...	...	52.6
Ratio of male deaths to every 100 female deaths	...	...	123	Mahomedans...	...	...	26.1	5 " 10 "	...	...	13.5
				Budhists	...	...	48.4	10 " 15 "	...	...	13.6
				Other classes	...	...	72.8	15 " 20 "	...	...	13.6
								20 " 30 "	...	...	13.6
								30 " 40 "	...	...	17.8
								40 " 50 "	...	...	14.0
								50 " 60 "	...	...	27.3
								60 years and upwards	...	...	40.1

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 22nd September 1884.

Statement showing the Registration of Births and Deaths in the Municipalities in Bengal during the week ending 8th September 1884.

POPULATION.			BIRTHS.			DISEASE.										MORTALITY ACCORDING TO—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
DISTRICTS.	NAMES OF MUNICIPAL FAMILIES.	NUMBER OF—		RATIO PER 1,000 OF POPULATION OR POPULATION PER ANNUM.		RATIO OF MALE BIRTHS TO EVERY 100 FEMALE BIRTHS.		DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Typhoid.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.		Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Bardhaman	...	12,693	16,017	28,710	4	11	61	107	168	57	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1</

A special census of the Municipalities in the District of Murshidabad was recently taken, as the census of this section of the community taken in February 1881 was not reliable, owing to the fact that the population was not correctly ascertained. The rates have consequently been calculated on the basis of the population ascertained in the census of 1881. The rates under each have been omitted, inasmuch as the census of the Municipalities above alluded to was not taken in a year of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

DISTRICTS.		NAME OF MUNICIPAL- PALITIES.		MORTALITY ACCORDING TO—										AGE.																							
				Sex.					Age.					Sex.					Age.																		
				RATIO PER 1,000 OF POPU- LATION ANNU.					DEATHS.					RATIO PER 1,000 OF POPU- LATION ANNU.					DEATHS.																		
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.																
District.	Municipality.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18
Bardham	Bardham	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18	10	8	18



## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Circular Canal at the Chitpur Toll Station for the month of August 1884.

Number of boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
192	Coal ...	1,33,210	49,954	2,56,300	9,158	1,408 14 0
30	Roadstone ...	14,250	3,562	30,625	1,093	113 11 6
3	Bricks ...	6,000	54	2,100	75	7 14 0
2	Tiles ...	3,350	100	1,300	46	11 6 0
41	Earthenware ...	1,730	865	16,825	600	63 1 6
10	Sand ...	4,250	1,360	10,225	365	81 7 6
2	Iron ...	300	1,800	800	28	7 0 0
1	Cotton ...	25	525	175	6	0 10 6
2	Gram ...	100	200	250	9	2 3 0
1	Linseed ...	100	400	625	22	2 5 6
2	Mustard-seed ...	525	2,362	1,175	41	10 4 6
1	Other oils ...	15	75	125	4	1 1 6
5	Tobacco ...	890	8,900	2,750	98	19 1 0
3	Jaggery ...	350	1,400	850	30	6 7 0
291	Salt ...	1,34,500	4,03,500	2,73,450	9,766	2,298 1 0
1	Hides ...	150	300	100	3	0 14 0
587	Total ...	2,99,745	4,75,357	5,97,675	21,339	4,034 6 6
475	Total of same month last year.	2,07,320	2,80,282	4,18,600	14,944	2,798 0 0
	MISCELLANEOUS.					
685	Empty, passenger, planks, fish, scorkee, &c.	1,56,700	6,26,800	4,96,650	17,737	2,274 8 6
90	Boats under 25 maunds	.....	.....	.....	.....	22 8 0
.....	Demurrage ..	.....	.....	.....	.....	44 4 9
775	Total ...	1,56,700	6,26,800	4,96,650	17,737	2,341 5 3
751	Total of same month last year.	2,53,500	5,07,000	5,09,425	18,192	2,212 6 0
1,362	Grand Total ...	4,56,445	11,02,157	10,94,325	39,076	6,375 11 9
1,226	Grand total of same month last year.	4,60,820	7,87,282	9,28,025	33,136	5,010 6 0

## MEMORANDUM.

Rs. A. P.

Unrecovered balance on the 1st of the month	...	...	119 8 0
Amount of tollage for the month	...	...	6,375 11 9
Total	...	...	6,494 14 9
Amount credited in the accounts for the month	...	...	6,248 7 0
Balance at the end of the month	...	...	246 7 9

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Circular Canal at the Dhappa Toll Station.  
for the month of August 1884.

Number of Boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
1	Coal	125	48	175	6	0 12 3
1	Tiles	1,000	30	275	0	1 3 3
12	Earthenware	460	280	1,975	70	17 4 6
50	Lime	52,200	39,150	97,950	3,498	855 13 9
454	Firewood	2,05,600	41,120	4,40,250	15,716	3,301 14 0
20	Iron	2,865	17,190	6,750	241	29 8 6
6	Brass	772	23,160	1,950	69	10 15 0
2	Cotton	108	2,268	500	17	4 6 0
80	Jute	21,691	97,609	48,850	1,744	427 7 0
22	Mats	3,100	9,300	10,275	366	89 14 6
3	Paddy	350	525	1,925	68	74 9 6
478	Rice	1,97,348	6,90,718	4,38,875	15,674	3,840 2 6
3	Wheat	1,350	4,050	2,400	85	21 0 0
107	Gram	48,450	96,900	86,550	3,091	754 9 3
38	Linseed	22,613	90,452	45,350	1,655	396 13 0
27	Mustard-seed	6,290	28,305	20,175	720	164 8 0
31	Til	11,535	37,488	18,090	678	157 8 0
153	Other oils	34,795	1,73,975	75,975	2,713	332 6 3
16	Oil-cake	3,650	3,650	8,525	304	74 9 6
52	Fruits	4,005	10,012	8,725	311	76 5 6
82	Vegetables	14,646	29,292	33,625	1,200	294 3 6
7	Tobacco	3,200	32,000	8,675	309	55 14 3
13	Spices	4,340	95,480	10,100	360	81 13 0
7	Cocoanut	7,400	222	1,675	59	14 10 6
11	Grass for cattle	233	1,048	5,650	201	49 7 0
17	Straw	362	1,448	6,275	224	54 14 6
50	Betelnuts	11,182	89,456	23,425	836	203 10 6
16	Sugar, unrefined	1,730	17,300	4,350	155	37 1 9
74	Jaggery	20,660	82,640	42,475	1,516	371 10 6
45	Salt	4,412	13,236	22,825	815	50 13 9
8	Hides	3,900	7,800	850	30	7 7 0
14	Bones	1,780	1,780	4,075	145	35 10 6
15	Dry fish	300	3,000	1,750	62	15 5 0
1,915	Total	6,92,452	17,40,932	14,81,200	52,947	11,904 4 0
2,622	Total of same month last year.	9,30,754	17,49,359	19,56,950	69,883	15,685 5 9
1,836	MISCELLANEOUS. Empty, passenger, onion, planks, shells, garlic, betel, ghee, fish, tamarind, fowls, canes, &c.	1,53,700	6,14,800	3,54,800	12,671	2,780 13 3
437	Boats under 25 maunds	.....	.....	.....	.....	109 4 0
.....	Demurrage	.....	.....	.....	.....	573 6 6
2,273	Total	1,53,700	6,14,800	3,54,800	12,671	3,463 7 9
3,690	Total of same month last year.	1,22,168	2,90,840	3,74,800	13,384	4,059 12 6
4,188	Grand Total	8,46,152	23,55,732	18,36,000	65,618	15,367 11 9
6,312	Grand total of same month last year.	10,52,922	20,40,199	23,31,750	83,267	19,745 2 3

## MEMORANDUM.

	Rs. A. P.
Unrecovered balance on the 1st of the month	780 15 3
Amount of tollage for the month	15,907 11 9
Total	16,687 11 0
Amount credited in the accounts for the month	16,682 1 0
Balance at the end of the month	676 10 0

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statement showing the total amount of Traffic and Tolls on the Tolly's Nullah for the month of August 1884.

Number of boats.	NATURE OF CARGO.	APPROXIMATE		TONNAGE OF BOATS.		Tollage.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.	
	LOCAL TRAFFIC.	Mds.	Rs.			Rs. A. P.
35	Coal ...	16,590	6,221	38,700	1,382	145 2 0
54	Roadstone ...	26,425	6,606	65,525	2,340	273 13 6
218	Bricks ...	5,67,500	5,107	1,23,075	4,394	462 2 6
13	Tiles ...	22,200	666	6,875	245	25 12 6
147	Earthenware ...	4,774	2,387	27,700	986	109 2 6
15	Sand ...	5,750	1,840	14,300	510	53 10 0
2	Lime ...	10	7	50	1	0 8 0
237	Firewood ...	84,175	16,835	1,30,790	4,666	1,137 7 0
2	Iron ...	155	930	675	23	5 11 6
5	Cotton ...	1,400	29,400	2,875	102	25 2 6
10	Jute ...	2,875	12,937	6,375	227	52 4 6
1	Mats ...	10	30	25	.....	0 4 0
203	Paddy ...	24,928	35,962	49,200	1,755	429 3 6
1,210	Rice ...	1,52,056	5,18,196	3,02,325	10,796	2,381 4 6
47	Gram ...	17,198	34,396	43,775	1,562	337 8 6
51	Mustard seed ...	19,135	86,107	43,075	1,537	342 1 3
7	Til ...	1,800	7,200	4,150	148	36 5 0
54	Other oils ...	8,750	43,750	23,900	853	104 11 6
57	Vegetables ...	4,942	9,884	17,950	660	68 4 0
28	Tobacco ...	4,230	42,300	13,700	489	65 11 0
5	Cocoanut ...	1,900	57	125	4	1 4 0
3	Grass for cattle ...	83	373	2,400	85	10 8 0
447	Straw ...	1,336	5,344	60,175	2,148	371 12 0
2	Betelnuts ...	400	3,200	1,075	37	6 12 6
3	Sugar, unrefined ...	425	4,250	600	21	5 4 0
106	Jaggery ...	18,787	75,148	40,050	1,429	277 3 0
190	Salt ...	46,077	1,38,231	1,14,650	4,094	810 0 3
11	Cattle ...	407	814	1,100	39	8 10 0
4	Oilcake ...	274	274	650	22	5 0 0
3,167	Total ...	10,34,592	10,88,452	11,35,775	40,557	7,552 7 6
3,731	Total of same month last year.	5,24,869	9,37,966	10,86,125	38,776	7,414 13 9
	MISCELLANEOUS.					
3,214	Empty, passenger, fish, betel, pipe, cocoanut, shell, charcoal, soor-kee, planks, golpatta, &c., &c.	62,700	2,50,800	5,47,800	19,563	2,910 11 6
153	Boats under 25 maunds	.....	.....	.....	.....	38 4 0
.....	Demurrage	.....	.....	.....	.....	124 9 3
3,367	Total ...	62,700	2,50,800	5,47,800	19,563	3,073 8 9
2,464	Total of same month last year.	2,27,470	21,54,290	4,40,850	15,743	2,737 1 3
6,534	Grand Total ...	10,97,292	13,39,252	16,83,575	60,120	10,626 0 3
6,195	Grand total of same month last year.	7,52,339	30,92,256	15,26,975	54,519	10,151 15 0

## MEMORANDUM.

	Rs.	A.	P.
Unrecovered balance on the 1st of the month	...	...	...
Amount of tollage for the month	...	...	...
	10,626	0	3
Total	10,958	5	6
Amount credited in the accounts for the month	...	...	...
	10,522	0	0
Balance at the end of the month	436	4	0

## ABSTRACT FOR THE MONTH OF AUGUST 1884.

	TRAFFIC, 1884-85.		TRAFFIC, 1883-84.	
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.
CIRCULAR CANAL.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Circular Canal at Chitpore toll-station ...	6,375 11 9	27,274 7 3	5,010 6 0	24,483 10 3
Ditto at Dhappa toll-station ...	15,367 11 9	76,071 9 9	19,745 2 3	84,277 5 6
Total ...	21,743 7 6	1,03,346 1 0	24,755 8 3	1,08,760 15 9
Tolly's Nullah ...	10,626 0 3	38,888 4 6	10,151 15 0	43,026 7 0
GRAND TOTAL ...	32,369 7 9	1,42,234 5 6	34,907 7 3	1,51,787 6 9

CALCUTTA,  
The 23rd September 1884.

G. F. E. S. NEILL, Major, M.R.C.,  
Under-Secretary to the Govt. of Bengal.



## TIRHOOT STATE RAILWAY.

Statement showing Increases and Decreases in Maundage of Principal Staples carried over the Line during the month of August 1884, as compared with the corresponding period of 1883.

STAPLES.	1884.		1883.		Total.		Increases.	Decreases.
	Up.	Down.	Up.	Down.	1884.	1883.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bamboo and bricks	482				482		482	
Coal	11,680		10,381		11,680	10,381	1,299	
Cott.	305	59			454		454	
Piece-goods	15,335	101	6,376	7	15,436	6,383	9,053	
Indigo		34			34			
Gunny-bags	1,561	839	3,337	333	2,400	3,000		1,599
Fruits	76	17			93		93	
Food-grains	1,25,868	4,015	6,768	37,338	1,39,883	44,136	85,747	
Hides and horns	30	5,285	66	3,967	8,315	3,933	4,382	
Lao	382				382		382	
Lime and kunker	3,304	179	22,003		3,473	22,003		19,428
Liquor	494	8			497		497	
Metal—								
I.—Iron	2,390	203	1,237	209	2,403	1,409	1,027	
II.—Brass, bell-metal, and copperware...	1,346	197			1,443		1,443	
Mowah	2,245				2,245		2,245	
Oil	1,102	32			1,194		1,194	
Oilcake		2,005			2,005		2,005	
Paints and colours	71	6			75		75	
Ghee	18	1,773	80		1,791	1,038	753	
Railway materials	23,305	8,629	50,470		23,305	65,309		33,805
Salt	37,489	4,555	42,045	4,493	42,045	46,379		4,333
Saltpetre		14,893	817		14,893	10,379	4,514	
Seeds	511	30,403	303	90,179	30,713	90,482		59,769
Spices	463	33			501		501	
Sugar and jaggree	272	2,440			2,721		2,721	
Tobacco	254	4,939	496	12,244	5,193	13,740		7,547
Timber	1,433	19,154			20,587		20,587	
Firewood		1,074			1,074		1,074	
All other goods	11,050	6,237	24,583	11,417	17,273	35,000		18,726
Total	2,41,308	1,16,102	1,77,791	1,83,567	3,07,410	3,01,338	1,40,640	1,44,577
Net decrease						3,57,410		1,40,640
						5,028		5,028

HORACE BELL,  
Manager.

A. G. NEWCOMEN,  
for Traffic Superintendent.

## GENERAL REMARKS AND EXPLANATIONS.

THE total quantity of goods carried during the month of August 1884, aggregated maunds 3,07,410, as compared with the maunds 3,01,338 carried during the corresponding period of 1883, and maunds 3,40,916 carried during the previous month, showing a decrease of maunds 3,928 in one case and increase of maunds 16,494 in the other.

Of the several increases and decreases the following are the most prominent ones and worthy of separate explanation:—

## INCREASES.

	Mds.
Piece-goods	9,153
Due to the stocks in the local markets being exhausted.	
Food-grains	85,747
This increase is due to the scarcity of grains in this district, and there is every prospect of a continual increase owing to want of rain and consequent failure of crops.	
Hides and horns	4,382
Owing to the brisk demand for this staple in Calcutta during the earlier part of the month.	
Oilcake	2,005
The traffic in this fluctuates greatly, and is not a staple in which there is either a heavy import or export.	
Saltpetre	4,514
Due to the brisk state of the Calcutta market.	
Timber	20,592
The greater part of this staple is exported by Messrs. Dear & Co., who have large contract for supplying of sleepers on foreign lines.	

## DECREASES.

	Mds.
Lime and kunker	19,428
Due to cessation of large engineering works in the districts for the year.	
Railway materials	33,805
The completion of the extensions of this railway is the main cause of the decrease.	
Salt	4,533
Tobacco	7,547
The above two has found their way by boats owing to the extraordinarily low freight ruling.	
Seeds	59,769
This is partially due to the dullness at the port and partially to a large quantity having been carried by boats owing to merchants not having any large contracts and to the extremely low freights ruling.	

HORACE BELL,  
Manager.

A. G. NEWCOMEN,  
for Traffic Superintendent.